



165 Worcester St N Grafton SP 2019-20

Kenneth Sutton < jksutton@charter.net>

To: "planningdept@grafton-ma.gov" <planningdept@grafton-ma.gov>

Wed, Mar 18, 2020 at 5:01 PM

I am writing as an abutter to 165 Worcester St N. Grafton, please post this information to the file for SP 2019-20. If you run a meeting via teleconference and video please send me an invitation. I did attend the first meeting in person when the issue was postponed until the a Variance was considered.

If you have any questions please let me know.

RECEIVED

Thanks,

Ken Sutton

161 Worcester St.

North Grafton MA 01536

MAR 1 9 2020

Planning Board Grafton, MA

508 839 2336

EXHIBIT 15

Sent from Mail for Windows 10

2 attachments

165 Worcester St 1999 gas remediation[1168].PDF 2312K

Planning letter 165 worc st.docx 2479K

Julie & Ken Sutton

161 Worcester Street

North Grafton MA 01536

Dear Planning Board,

I am writing to you as an abutter to 165 Worcester Street as I do not support the request for a construction of a 2 family house on this lot. We have lived next to this lot for 31 years and have witnessed the many changes through the decades on the property. The lot is known to be contaminated with chemicals, oil, and waste from prior commercial business operating from this address. Surface water run off is a problem, prior owners never did any basic Civil Engineering to correct stormwater runoff problems. As this lot is under sized for the intended use, I feel more up-front work should be required by the Town of Grafton before considering a variance to ensure problems are not just pushed to current abutters.

In 1989 when we first moved in 165 Worcester St. was the home of Grafton Auto Body owned by Floyd Danielson. Junk cars were parked on the property and gas and oil from these could drain onto the ground, Floyd also disposed of solvents by dumping them in the ground. During the installation of sewer lines under Worcester St. in September 1998 gasoline was detected under Worcester St. by the contractor. The Town of Grafton had the problem investigated and then three old fuel tanks were removed along with soil surrounding the tanks, see attached report 2-12393. This cleaned up a small portion of the property but left the rest contaminated. There was no subsequent cleanup effort.

In 2010 I had to send to Grafton Foreign Motors a letter as they had drainage problems and diverted the rain water runoff from the garage into my back yard. The pipe was removed but no work was ever done to fix the runoff problems from the building. The lot is very small and can not absorb the amount of rain run off during storms when there is a structure and paved parking area. The garage flooded periodically due to excess water build up.

On February 3, 2011 the garage at 165 Worcester St. fell during a snow storm and Grafton Foreign Motors which was in operation at the time moved to a new location. The garage was demolished and some of the debris was removed and some buried. There was a pit within the garage that was left from the original Pontiac business. The pit had a drain at the bottom which drained direct into the soil under the garage. This was never tested and cleaned up. The contaminants remain buried and have been undisturbed since 2011. The owner Patrice Rooney tried to sell the property right away as the lot was grandfathered with building rights for 3 years. No one would buy the property as the cost and environmental clean were to cost prohibitive.

I believe that prior to granting an planning exception current contamination needs to be tested and remediated by a professional company. A comprehensive plan should be developed and shared with neighbors so that any run off during excavation does not contaminate abutting properties. A storm water management plan should be presented and approved by the Town of Grafton, so problems do not just get pushed to neighbors when construction begins. There is also a drain line under the property

that runs from 163 Worcester St to my yard at 161 Worcester St. This needs to be on a construction plan so it is not broken during any excavation work which would then allow contaminants to flow directly into my yard. This property has been abandoned for years due to the cost of the work to properly remediate and control contaminants.





2-12393 165 Worcester Road Grafton NOTIFICATION

SCANNED



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

RELEASE LOG FORM

BWSC-101

Release Tracking Number

と	-	12393

A. LOG INFORMATION:	
Log Date: TYPE OF CALL (check one):	DISPOSITION OF CALL (check the one most applicable disposition below):
Log Time:	If selecting one of the two following options, assign a Release Tracking Number (RTN) in the space provided above:
<u> 3:88</u> Complaint Inquiry	Reportable Release or Threat of Release
Check one: CALLER (check one):	Release or Threat of Release Less Than Reporting Threshold
AM PM Public Safety Official	Select one of the two following options only if an RTN was previously assigned:
Use of Form: Other Government Agency	Release Notification Retraction (with BWSC-103 only)
(check one) Citizen	Not a 21E Release
Initial Office Anonymous	If selecting any option below, do not assign an RTN:
Boston LSP or PRP Agent	— · · · · · · · · · · · · · · · · · · ·
Amended Other Person:	Release or Threat of Release Exempt from Reporting Requirements (not referred)
Reporting Person: Raymond Guilmette (chief	Report Referred to Other Agency or Division
Telephone: (508)839-4606 Ext.:	Referred To:
Organization: Grafton Fire Dept.	No Action Taken
B. RELEASE OR THREAT OF RELEASE LOCATION: Street: /65 Viorcester St.	
0 (1	Location Aid:
City/Town: Graffan Adequatel	y Regulated Status: Fee Status:
Type of Location (check all that apply): Commercial In	dustrial Residential School Municipal State
Federal Right of Way Roadway Wate	er Body Open Space Other:
Release Tracking Number of Associated Transition or Tier Classified S	ite, if any:
C. RELEASE OR THREAT OF RELEASE (TOR) INFORMATI	ON:
Notification Date, if different from log date:	
"One Year" Status Date, if not one year after notification date:	· ·
Date and time reporting person obtained knowledge of the Release or 1	FOR. Date: 9-8-99 Time: 1:00 AM [L-PM
IF KNOWN, record date and time Release or TOR occurred. Date:	
Check all conditions that apply to the Release or Threat of Release:	
2 HOUR REPORTING CONDITIONS 72 HOUR REPORTING C	ONDITIONS 120 DAY REPORTING CONDITIONS
Sudden Release Subsurface NAPL = 0	
Threat of Sudden Release	Release of Oil to Soil > RC(s) and Affecting > 2
Oil Sheen on Surface Water UST Release	Cubic Yards
Poses Imminent Hazard Threat of UST Release	-
Could Pose Imminent Hazard Release to Groundwa	Subsurface NAPL = or > 1/8 Inch and < 1/2 Inch
Release Detected in Private Well Supply	Check here if Substantial Release Migration
Release to Storm Drain Release to Groundwa School or Residence	O
Sanitary Sewer Release (Imminent Hazard Only)	
Source of Release or TOR (check all that apply): UST Pipe	e/Hose/Line AST Drums Transformer Boat
Tanker Truck Vehicle VInknown Oth	er Specify:
Federal LUST Eligible? Yes No Unit	known
SECTION C IS CONT	INUED ON THE NEXT PAGE.



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC-101

RELEASE LOG FORM

Release Tracking Number

D E P	2-12393
C. RELEASE OR THREAT OF RELEASE (TOR) INFORMATION: (c	ontinued)
Type of Release or TOR (check all that apply): Leak Spill Re	upture Dumping Tank Removal Overfill
Vehicle Accident Test Failure Fire Threat Only	Unknown Other Specify:
Identify Media and Receptors Affected: (check all that apply) Air Gro	oundwater Surface Water Sediments Soil
Wetlands Storm Drain Paved Surface Private W	ell Public Water Supply Zone 2 Residence
School Unknown Other Specify:	
O or HM Released (check one) CAS # (if known) Casoline O HM	Amount or Conc. Units RCs Exceeded?
о 🗎 нм	
Description of Release or Threat of Release: Contaminated	soil while diese a secon
sever land to	and with the second
D. PRP INFORMATION:	
	Check here if additional involved parties are listed on an RLFA.
PRP Unwilling or Unable to Perform-Response Actions. Who is? DEP	Other Person Who: Sewer, Dept
Name of PRP Organization: Grafton Auto Body Shop	_
	Title: Owner
Street: 105 Worcester St.	Check here if this PRP received a field NOR.
(-5188 (05)	State: ZIP Code:
	FAX:
E. CONTRACTOR: Contractor Name: DM	Telephone: (617) 628-7939 Ext.:
Name of Contact: 🔥	Check here if this is a State Contractor.
F. LSP: Bill Swanson	I SP Number: 6406
Telephone: (617) CJ8 - 7938 Ext.:	FAX:
G. MCP RESPONSE ACTIONS: (check any that apply)	IDA Oral Plan Decied
IRA Assessment Only IRA Oral Plan Approved* Oral RAM Plan Approved* Oral RAM Plan Denied	IRA Oral Plan Denied Notice of Intent to Conduct a URAM
	details of approved plans on an RLFA.
	ck here if the soil was removed as part of an UST closure.
Quantity of soil previously removed and destination:	
H. DEP ASSIGNMENT:	
RNF Submittal Requested: No Yes From Who:	
Provisions of 21E Explained: Yes No Why Not:	
	Regional Use:
Signature: Double framo	Number of RLFA Pages Attached:
Staff Lead Assigned (if different from Preparer):	Check here if Release or TOR is unassigned.

Memorandum

To:

FILE

From:

PAUL SPANO / MA

Date:

05/07/99

Re:

RTN 2-12393; TOWN OF GRAFTON URAM NOTIFICATION.

The purpose of this memo is to explain why the Town of Grafton submitted a release Notification Form (RNF) and why the RNF was not entered into the database. The Town of Grafton conducted a Utility release Abatement Measure (URAM) in the road in front of 165 Worcester Road, Grafton. On September 8, 1998, the Town orally notified the Department of their intent to conduct a URAM. Subsequently, the property located at 165 Worcester Road was determined to be the source of the contamination in the soils under the road. Release Tracking Number (RTN) 2-12437 was assigned to 165 Worcester Road and the PRP accepted responsibility for the cleanup of the oil/gasoline release. The Town had previously notified as a PRP. However, the writer informed the Town that they are not the PRP for this release, they are another person performing a response action. As an attempt to clarify their respective status as another person conducting a response action and not a PRP, the Town provided the Department with several submittals. The RNF is one of those submittals. Although the Town submitted a RNF it is not a person required to submit a RNF for this release, therefore the RNF will not be entered into the database, however, it will be filed. Currently, the database properly reports the Town as another person conducting a URAM and not a PRP, therefore it is not necessary to change the database.

D E P	

Department of Environmental P Bureau of Waste Site Cleanup

BWSC-103 Release Tracking

RELEASE NOTIFICATION & NOTIFICATION RETRACTION

DEP Pursuant to 310 CMR 40.0335 and 310 CMR 4	0.0371 (Subpart If assigned by DEP
A. RELEASE OR THREAT OF RELEASE LOCATION:	1794 July 1941
Street: Worcester Street Local	1
City/Town: Grafton ZIP Code	
B. THIS FORM IS BEING USED (check one)	MAY _ 3 1999
Submit a Release Notification (complete all sections of this form).	
Submit a Retraction of a Previously Reported Notification of a Release o of this form). You MUST attach the supporting documentation required by 310 CM	r Threat of Release (complete Sections A.B.E. F and G.R. 40.0335.
C. INFORMATION DESCRIBING THE RELEASE OR THREAT OF RELEASE	E (TOR):
Date:	Time: Specify: AM PM
The date you obtained knowledge is always required. The time you obtained Conditions.	
IF KNOWN, record date and time release or TOR occurred. Date: Check here if you previously provided an Oral Notification to DEP (2 Hour and 72 h	Time: Specify: AM PM
M only).	
Provide date and time of Oral Notification. 09/08/99 Date:	Time: Specify: AM PM
Check all Notification Thresholds that apply to the Release or Threat of Release:	for more information see 310 CMR 40.0310 - 40.0315)
2 HOUR REPORTING CONDITIONS 72 HOUR REPORTING CONDITIONS	120 DAY REPORTING CONDITIONS
Sudden Release Subsurface Non-Aqueous Phase Liquid (NAPL) Equal to or Greater	Release of Hazardous Material(s) to Soil or Groundwater Exceeding Reportable
Threat of Sudden Release than 1/2 Inch	Concentration(s)
Oil Sheen on Surface Water Underground Storage Tank (UST) Release	Release of Oil to Soil Exceeding Reportable Concentration(s) and Affecting More than 2 Cubic
Poses Imminent Hazard Threat of UST Release	Yards
Could Pose Imminent Hazard	Release of Oil to Groundwater Exceeding Reportable Concentration(s)
Release Detected in Private Water Supply Release to Groundwater near Water Supply	
Release to Storm Drain Release to Groundwater near School or Residence	Subsurface Non-Aqueous Phase Liquid (NAPL) Equal to or Greater than 1/8 Inch and Less than 1/2 Inch
Sanitary Sewer Release (Imminent Hazard Only)	
List below the Oils or Hazardous Materials that exceed their Reportable Concentration of If necessary, attach a list of additional Oil and Hazardous Material substances subject to	or Reportable Quantity by the greatest amount. o reporting.
Name and Quantities of Oils (O) and Hazardous Materials (HM)	Describble Concentrations
	Reportable Concentrations ount or Units Exceeded, if Applicable entration (RCS-1, RCS-2, RCGW-1, RCGW-2)
C5-C8_Aliphatics_(Gasoline)	mg/kgRCS-2
C9-C10_Aromatics_(Gasoline)	mg/kgRCS-2
D. ADDITIONAL INVOLVED PARTIES:	
Check here if attaching names and addresses of owners of properties affected by who is submitting this Release Notification (required).	the Release or Threat of Release, other than an owner
Check here if attaching Licensed Site Professional (LSP) name and address (option	onal).
You may write in names and addresses on the bottom	of the second page of this form.



Massachuse Department of Environmental P Bureau of Waste Site Cleanup

ection

BWSC-103

Release Tracking Number

2 - 12393
If assigned by DEP

RELEASE NOTIFICATION & NOTIFICATION RETRACTION FORM

Pursuant to 310 CMR 40.0335 and 310 CMR 40.0371 (Subpart C)

E. PERSON RE	EQUIRED TO NOTIFY:			
Name of	Town of Grafton			
Organization: Name of Contact:	Fred G. Haffty		Title: Supe:	rintendent
	ot Road			
•			:	ZIP Code: _01560-0000
Telephone: _508	8-839-8526	Ext.:	FAX: (optional)	508-839-8523
F. RELATIONS	SHIP OF PERSON REQUIRED TO NO	TIFY TO RELEAS	E OR THREA	AT OF RELEASE: (check one)
RP or PRP	Specify Owner Operator	Generator Tra	ansporter Othe	er RP or
	ecured Lender or Municipality with Exempt		1 1 1 1	·
	Public Utility on a Right of Way (as defined b			
Any Person Relationship	Otherwise Required to Notify Specify	<u>Town</u> of Worcest	<u>Grafton</u> er Street	adjacent to property at 165 (RTN 2-12437)
G. CERTIFICA	TION OF PERSON REQUIRED TO NO	OTIFY:		
am familiar with the my inquiry of those best of my knowledgest to the second state of the second se	the information contained in this submittal, in see individuals immediately responsible for o	ncluding any and all obtaining the informati te, and (iii) that I am f	documents accion, the material fully authorized submittal is made	s of perjury (i) that I have personally examined and ompanying this transmittal form, (ii) that, based on all information contained in this submittal is, to the to make this attestation on behalf of the entity de am/is aware that there are significant penalties, urate, or incomplete information.
JAH			Title: Supe	rintendent
(signature)				
For Town of print name	Grafton of person or entity recorded in Section E)		Date:	APRICGS
Enter address of	f the person providing certification, if differer	nt from address recor	ded in Section	E:
City/Town:			State	ZIP Code:
			;	
YOU MU	NCOMPLETE. IF YOU SUBMIT AN IN	CTIONS OF THIS I NCOMPLETE FOR A REQUIRED DEA	FORM OR DE M, YOU MAY	EP MAY RETURN THE DOCUMENT AS
William R. Cambridge	. Swanson, P.E., LSP of Ca , Massachusetts 02142 is	mp Dresser & the LSP of r	McKee In	c., Ten Cambridge Center,
			□ B	

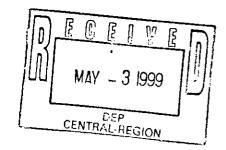


DM Camp Dresser & McKee Inc.

consulting engineering construction operations Ten Cambridge Center Cambridge, Massachusetts 02142 Tel: 617 252-8000 Fax: 617 621-2565

March 29, 1999

Mr. Paul Spano DEP Central Region Bureau of Waste Site Cleanup 627 Main Street Worcester, Massachusetts 01608



Subject:

Town of Grafton

Worcester Street URAM

Release Notification Form (BWSC-103)

Dear Mr. Paul Spano:

As you requested, Camp Dresser & McKee Inc. (CDM) herewith submits a Release Notification Form (BWSC-103) for the Worcester Street URAM. Consistent with the revisions we recently made to the URAM Transmittal Form, we have listed the Town of Grafton as an abutter to the property at 165 Worcester Street (RTN 2-12437) instead of as the" responsible party."

If you have any questions, please contact either me or Jim Winkler at (617) 252-8000.

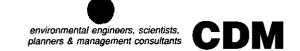
Very truly yours,

CAMP DRESSER & McKEE INC.

William R. Swanson, P.E., LSP

Vice President

TRANSMITTAL SHEET



MAY - 3 1999 CENTRAL-REGION		Job Worcester St. Sower Main Project
· Town of G	rafton	
9 Depot S	freet	
South Grat		0/560
Mr. Freak	Hafffy	<u> </u>
	we are sending	herewith
print(s)	each of the following	Release Notification Form
,	which are	approved
	which are	l ''
Please signal to D	·	approved as noted

By fin halle



Camp Dresser & McKee Inc.

consulting engineering construction operations Ten Cambridge Center Cambridge, Massachusetts 02142 Tel: 617 252-8000 Fax: 617 621-2565 2-12393

February 9, 1999

Mr. Paul Spano DEP Central Region Bureau of Waste Site Cleanup 627 Main Street Worcester, Massachusetts 01608

Subject:

Town of Grafton

Worcester Street URAM Notification Submittal

Dear Mr. Paul Spano:

Camp Dresser & McKee Inc. (CDM) herewith submits an amended Page 4 of 4 of Form BWSC-106. Per your conversation with Jim Winkler, CDM has revised Section L of the form. The Town of Grafton is no longer listed as the "Responsible Party" but is instead now listed as an abutter to the property at 165 Worcester Street, Grafton (RTN 2-12437). Please amend the URAM Notification that was submitted in September 1998 with this revised page.

If you have any questions please call either me or Jim Winkler at (617)252-8845.

Very truly yours,

CAMP DRESSER & McKEE INC.

William R. Swanson, P.E., LSP

Vice President



Massachuse Department of Environmental P Bureau of Waste Site Cleanup

ection

BWSC-106 3-24-99

Release Tracking

2-12393

RELEASE & UTILITY-RELATED ABATEMENT MEASURE (RAM & URAM) TRANSMITTAL FORM

L. RELATIONSHIP TO SITE OF PERSON UNDERTAKING RAM or U	
	RAM: (check one)
RP or PRP Specify: Owner Operator Generator T	ransporter Other RP or PRP:
Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by	M.G.L. c. 21E, s. 2)
Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5	(i))
Any Other Person Undertaking RAM or URAM Specify Town	of Grafton adj. to 165 Worcester St. Grafton MA
M. CERTIFICATION OF PERSON UNDERTAKING RAM OR URAM:	
familiar with the information contained in this submittal, including any and all doct inquiry of those individuals immediately responsible for obtaining the information, my knowledge and belief, true, accurate and complete, and (iii) that I am fully auti responsible for this submittal. If the person or entity on whose behalf this submittal including, but not limited to, possible fines and imprisonment, for willfully submitting.	the material information contained in this submittal is, to the best of norized to make this attestation on behalf of the entity legally all is made am/is aware that there are significant penalties,
For: Town of Grafton (print name of person or entity recorded in Section K)	Date: 76 7 63 5 7
Enter address of person providing certification, if different from address recorded	in Section
Street:	_
City/Town:	State: ZIP Code:
City/Town:	
	FAX: (optional) FORM OR DEP MAY RETURN THE DOCUMENT AS RM, YOU MAY BE PENALIZED FOR MISSING

FRONT END/SITES DATABASE CHANGE FORM (completed by BWSC staff)

RTN #/SIT	TE ID #:	2-12393	Related #:	2-	
RTN/SITE STAFF SUE AUTHORIZA	NAME OR EMITTING ATION (Br	ADDRESS: 165 CHANGE: Paul	Worcester Spano nief/RE): J	St., Grafto. DATE:	3-24-89
Town	of Graf	NGE (Not Options ton is not the An Other Pe	e PRP.	taking a URA	n <u>1</u>
if emai	il or RLF	A, is there a co	opy attached?	(YorN)	
		СН	ANGE/ADD		
FIBLD Affilia	ation.	FROM Town of	Grafton PRP	- Town of Go as Other Perso a URAM	
	FEES £	or transition si	tes (must atta	ach copy of email)	
TYPE	Date	cleared by Bost	ion	SITE ID #	
	•				
	·		·		<u>.</u>
			·		
cc file revised 7 P:\DAGUST\\P\					



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

RELEASE LOG FORM

ction	BWSC-101
Magg	Release Tracking Number
9-9-10	2-12393

7 / 2 /23/3
C. RELEASE OR THREAT OF RELEASE (TOR) INFORMATION: (continued)
Type of Release or TOR (check all that apply): Leak Spill Rupture Dumping Tank Removal Overfill
Vehicle Accident Test Failure Fire Threat Only Vunknown Other Specify:
Identify Media and Receptors Affected: (check all that apply) Air Groundwater Surface Water Sediments Soil
Wetlands Storm Drain Paved Surface Private Well Public Water Supply Zone 2 Residence School Unknown Other Specify:
O or HM Released (check one) CAS # (if known) Amount or Conc. Units RCs Exceeded?
Gasoline PRCs RCS-/
Description of Release or Threat of Release:
At Digging for new sewer line installation, backhoe operator ceased operation
because he thought he noticed some "flashing or popping" in the trench. As
odor of gasoline was noticed in the soil. Fire Dept. called to notify of URAM.
The writer requested that the Town have an LSP evaluate for IRA condition
prior to continuation of any soil removal. Chief Guilmette stated he would have and
PRP Unknown PRP Performing Response Actions Check here if additional involved parties are listed on an RLFA.
PRP Unwilling or Unable to Perform-Response Actions. Who is? DEP Other Person Who:
Name of PRP Organization: Town of Grafton
Name of PRP Contact: Fred Haffty, Title: Superintendent, Sewer Dept.
Street: 165 W. 30 Providence Rd. Check here if this PRP received a field NOR.
City/Town: Grafton State: MA ZIP Code: 01519
Telephone: (508) 839 - 5335 Ext.: FAX:
E. CONTRACTOR:
Contractor Name: CDM Telephone: (617) 253 -8845 Ext.:
Name of Contact: Tim Winkler Check here if this is a State Contractor.
F. LSP: Bill Swanson LSP Number:
Telephone: Ext.: FAX:
G. MCP RESPONSE ACTIONS: (check any that apply)
IRA Assessment Only IRA Oral Plan Approved* IRA Oral Plan Denied
Oral RAM Plan Approved* Oral RAM Plan Denied Notice of Intent to Conduct a URAM
Date of Action, if different from Log Date: * Provide details of approved plans on an RLFA.
Check here if soil was removed from the site <u>prior to</u> notification. Check here if the soil was removed as part of an UST closure.
Quantity of soil previously removed and destination:
H. DEP ASSIGNMENT:
RNF Submittal Requested: V No Yes From Who:
Provisions of 21E Explained: Yes No Why Not:
Prepared By: Pau A. Spano Regional Use:
Signature: Oan U. Agrano Number of RLFA Pages Attached:
Staff Lead Assigned (if different from Preparer): Check here if Release or TOR is unassigned.
Company of the DIACO COM



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC-101

Release Tracking Number

a -	12393
2 -	12342

D E P	LEASE LOG FORM	·	2-12393
Telephone: (508) 83°	Release or TOR Complaint Inquiry CALLER (check one): PRP Public Safety Official Other Government Agency Citizen Anonymous LSP or PRP Agent Other Person:	If selecting one of the two following options, assig Tracking Number (RTN) in the space provided ab Reportable Release or Threat of Release Release or Threat of Release Less Than Re Select one of the two following options only if an RTN was previously assigned: Release Notification Retraction (with BWSC Not a 21E Release If selecting any option below, do not assign an RT Release or Threat of Release Exempt from I (not referred) Report Referred to Other Agency or Division Referred To:	gn a Release pove: eporting Threshold -103 only) FN: Reporting Requirements
Organization: Grafto		No Action Taken	
B. RELEASE OR THRE Street: 165 Worce	ester Street	Location Aid: Grafton Fore	eign Motors
City/Town: <u>Grafta</u>			
Type of Location (check all f	that apply): Commercial Inc	dustrial Residential School r Body Open Space Other:	Municipal State
Release Tracking Number o	of Associated Transition or Tier Classified Sil	te, if any:	
Notification Date, if different "One Year" Status Date, if n Date and time reporting pers IF KNOWN, record date and Check all conditions that ap	not one year after notification date: son obtained knowledge of the Release or T d time Release or TOR occurred. Date: ply to the Release or Threat of Release:	Time:	AM
2 HOUR REPORTING Sudden Release Threat of Sudden Oil Sheen on Surfa Poses Imminent H Could Pose Immir Release Detected Release to Storm Sanitary Sewer Re (Imminent Hazard	Release ace Water Hazard In Private Well Drain Elease Only) Subsurface NAPL = 0 UST Release UST Release Release UST Release UST Release Release to Groundwa Supply Release to Groundwa School or Residence	Release of HM(s) to Soil or Release of Oil to Soil > RC Cubic Yards Release of Oil to Groundwa Release of Oil to Groundwa Subsurface NAPL = or > 1/ Inch Check here if Substantial R exists in connection with 12 Conditions	r Groundwater > RC(s) C(s) and Affecting > 2 ater > RC(s) /8 Inch and < 1/2 Release Migration
Tanker Truck	Vehicle Unknown Oth	er Specify:	
Federal LUST Eligible?	Yes No Unk	known	

SECTION C IS CONTINUED ON THE NEXT PAGE.



Massachus s Department of Environmental Stection Bureau of Waste Site Cleanup

Manager Tracking Number 12395

BWSC-102B

RELEASE LOG FORM ATTACHMENT

E. LOG/RELEASE LOCATION INFORMATION: (complete if using only BWSC-102B)	
Chyrtown: Grafton Date: 9-9-98 Time: 3:00 AM	[PM
Relosse Address: 165 Worcester St.	_
Use of Attachment (check one): Field Office Follow-up Attachment Page(s): of:	}
F. ADDITIONAL DESCRIPTION:	
Jim minfeler from COM stated that soil sample.	
Jim rainfeler from COM stated that soil sample.	<u>-</u>
were taken in analysis of EPH/VPH.	
Headspace headings up to 150 ppm. Fab andre	54
will be 34-48 turnaround.	
The writer i loved my markler that the) of #
sense ted the Town conduct on assessment to the	7
	
need to do an IXH. Thes regulat was basel on my	brugs
that gasoline may be Causing " fashing & popping in	du
trench. Mr. minhler stated that COM is co	ducto
assessment for the meld to confuct an INH.	1
	[
	
	ļ
	}
<u> </u>	
	}
	{
A A	
G. DEP ASSIGNMENT: (complete if using BWSC-102A and 102B or BWSC-102B only)]
Preparer of RLFA (please print): aul fl.)paud Signature: / Aul fl. Allace	
Staff Lead Assigned (if different from preparer):	\
Check here if the Release or Threat of Release is unassigned.	{
Check here if this RLFA records a change in staff lead.	ľ
	309 2 of 2



Massachuset Department of Environmental Procession Bureau of Waste Site Cleanup

BWSC-102A

Release Tracking Number

A LOGIRELEASE LOCATION INFORMATION: (complete if using 6WSC-102A and 1028 or 8WSC-102A a	D E P RELEASE LOG FORM ATTACHMENT	
Release Address: Use of Attachment (chack one):	A. LOG/RELEASE LOCATION INFORMATION: (complete if using 8W	(SC-102A and 102B or BWSC-102A only)
Use of Attachment (check one)	City/Town:	Date: Time:
B. ORAL PLAN SUMMARY:	Release Address:	
Removal of Contaminated Soils Deployment of Absorbent or Containment Materials Re-use or Recycling Temporary Covers or Caps Describe On Site Off Site Volume: Cubic yards Bioremediation Describe: Structure Venting System Soil Vapor Extraction Describe: Structure Venting System Store On Site Off Site Volume: Cubic yards Product or NAPL Recovery Landfill Cover Disposal Volume: Cubic yards Groundwater Treatment Systems Removal of Drums, Tanks or Containers Air Sparping Describe: Temporary Water Supplies Temporary Water Supplies Removal of Other Contaminated Media Specity Type and Volume: Fencing and Sign Posting Fencing and Sign Posting Other Response Actions Describe: Check here if this Release or Threat of Release is a candidate for future presumptive approval of an IRA or RAM Written Plan. Chack one of the following: Oral IRA Plan Approval Oral RAM Plan Approval Oral IRA Plan Modification Approval Other Comments: Other Relationship Specity. Name of Organization: Street: Check here if this person received a field NOR. ChylTown: State: ZIP Code: ZIP Code: State: Ed.: FAX: D. DEP ASSIGNMENT: (complete if using only BWSC-102A)	Use of Attachment (check one): Field Office Follow-up	Attachment Page(s): of:
Re-use or Recycling Temporary Covers or Caps On Site Off Site Volume: cubic yards Bioremediation Describe: Grant On Site Off Site Volume: cubic yards Soil Vapor Extraction Describe: Grant Off Site Volume: cubic yards Product or NAPL Recovery Landfill Cover Disposal Volume: cubic yards Groundwater Trientment Systems Removal of Drums, Tanks or Containers Air Sparring Air Sparring Describe: Temporary Weter Supplies Removal of Other Contaminated Media Temporary Evecuation or Residents Specify Type and Volume: Fancing and Sign Posting Other Response Actions Describe: Grait RA Plan Approval Oral RAM Plan Approval Oral RAM Written Plan. Check one of the following: Oral IRA Plan Approval Oral RAM Plan Approval Oral IRA Plan Modification Approval Other Comments: Other Realisionship Specify: Name of Organization: Title: Street: Check here if this person received a field NOR. Chyrrown: State: Zilp Code: Zilp Code: Title: State: Zilp Code: DEP ASSIGNMENT: (complete if using only BWSC-102A)	B. ORAL PLAN SUMMARY: (check all that apply)	
On Site Off Site Volume:	Removal of Contaminated Soils	Deployment of Absorbent or Containment Materials
Treat On Site Off Site Volume:	Re-use or Recycling	Temporary Covers or Caps
Describe: Store On Site Off Site - Volume: cubic yards Product or NAPL Recovery Landfill Cover Disposal Volume: cubic yards Groundwriter Treatment Systems Removal of Drums, Tanks or Containers Describe: Temporary Weter Supplies Removal of Other Contaminated Media Temporary Evacuation or Residents Specify Type and Volume: Fenoing and Sign Posting Other Response Actions Describe: Penoing and Sign Posting Other Response Actions Describe: Oral IRA Plan Approval Oral RAM Plan Approval Oral IRA Plan Modification Approval Other Comments: Oral IRA Plan Approval Oral RAM Plan Approval Oral IRA Plan Modification Approval Other Comments: Title: Street: Check One: PRP PRP Local Contact Other Person Pentorthing Response Action Other Relationship Specify. Name of Organization: Name of Organization: Title: Street: Check Institute presumption provided a field NOR. ChylTown: Street: Zip Code: Telephone: Ext.: FAX: D. DEP ASSIGNMENT: (complete if using only BWSC-102A)	On Site Off Site Volume:cubic ye	ards Bioremediation
Store On Site Off Site - Volume: cubic yards Product or NAPL Recovery Landfill Cover Disposal Volume: cubic yards Groundwater Treatment Systems Removal of Drums, Tanks or Containers Air Sparging Pescribe: Temporary Water Supplies Pencing and Sign Posting Other Contaminated Media Fencing and Sign Posting Other Response Actions Describe: Fencing and Sign Posting Other Response Actions Describe: Oral IRA Plan Approvel Oral RAM Plan Approvel Oral IRA Plan Modification Approval Other Comments: Oral IRA Plan Approvel Oral RAM Plan Approvel Oral IRA Plan Modification Approval Other Comments: Other Resistanting Spacify. Name of Organization: REP PRP Local Contact Other Person Performing Response Action Other Reliationship Spacify. Name of Organization: Tibs: Chack here if this person received a field NOR. CtylTown: State: Check here if this person received a field NOR CtylTown: State: ZIP Code: Telephone: Etc: FAX: DDEP ASSIGNMENT: (complete if using only BWSC-102A)	Treet On Site Off Site Volume: cubic ye	ards Soil Vapor Extraction
Landfill Cover Disposal Volume cubic yards	Describe:	Structure Venting System
Removal of Drums, Tanks or Containers	Store On Site Off Site - Volume: cubic ye	ands Product or NAPL Recovery
Describe: Temporary Water Supplies Removal of Other Contaminated Media Temporary Evacuation or Relocation of Residents Specify Type and Volume: Fencing and Sign Posting Other Response Actions Describe: Fencing and Sign Posting Check here if this Release or Threat of Release is a candidate for future presumptive approval of an IRA or RAM Written Plan. Check one of the following: Oral IRA Plan Approval Oral RAM Plan Approval Oral IRA Plan Modification Approval Other Comments: C. ADDITIONAL INVOLVED PERSON INFORMATION: Check One: PRP PRP PRP Local Contact Other Person Performing Response Action Other Relationship Specify: Name of Organization: Name of Contact: Title: Street: Check here if this person received a field NOR. Chyffown: State: ZIP Code: Telephone: Ext.: FAX: D. DEP ASSIGNMENT: (complete if using only BWSC-102A)	Landfill Cover Disposal Volume:cubic yo	ards Groundwater Treatment Systems
Removal of Other Contaminated Media	Removal of Drums, Tanks or Containers	Air Sparging
Specify Type and Volume: Other Response Actions Describe: Check here if this Release or Threat of Release is a candidate for future presumptive approval of an IRA or RAM Written Plan. Check one of the following: Oral IRA Plan Approval Other Comments: C. ADDITIONAL INVOLVED PERSON INFORMATION: Check One: PRP PRP Local Contact Other Relationship Specify. Name of Organization: Name of Contact: Title: Street: Check here if this person received a field NOR. Chyflown: State: Zip Code: Telephone: Ext.: FAX: D. DEP ASSIGNMENT: (complete if using only BWSC-102A)	Describe:	Temporary Water Supplies
Check here if this Release or Threat of Release is a candidate for future presumptive approval of an IRA or RAM Written Plan. Check one of the following:	Removal of Other Contaminated Media	Temporary Evacuation or Relocation of Residents
C. ADDITIONAL INVOLVED PERSON INFORMATION: Check one of the following: Oral IRA Plan Approval Oral RAM Plan Approval Other Comments: C. ADDITIONAL INVOLVED PERSON INFORMATION: Check one: PRP PRP Local Contact Other Person Performing Response Action Other Relationship Specify: Name of Contact: Tibs: Street: Check here if this person received a field NOR. CapyTown: State: ZIP Code: Telephone: Ext.: FAX: D. DEP ASSIGNMENT: (complete if using only BWSC-102A)	Specify Type and Volume:	Fencing and Sign Posting
Check one of the following:	Other Response Actions Describe:	
Check one of the following:	Check here if this Release or Threat of Release is a candidate for future presum	nptive approval of an IRA or RAM Written Plan.
C. ADDITIONAL INVOLVED PERSON INFORMATION: Check One: PRP PRP PRP Local Contact Other Person Performing Response Action Other Relationship Specify: Name of Organization: Name of Contact: Title: Street: Check here if this person received a field NOR. Chy/Town: State: ZIP Code: Telephone: Ext.: FAX: D. DEP ASSIGNMENT: (complete if using only BWSC-102A)		
Check One: PRP PRP Local Contact Other Person Performing Response Action Other Relationship Specify:	Other Comments:	
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Name of Organization: Name of Contact: Street: Check here if this person received a field NOR. City/Town: State: ZIP Code: Telephone: Ext.: FAX: D. DEP ASSIGNMENT: (complete if using only BWSC-102A)		Other Person Performing Response Action
Name of Organization: Name of Contact: Street: Check here if this person received a field NOR. City/Town: State: ZIP Code: Telephone: Ext.: FAX: D. DEP ASSIGNMENT: (complete if using only BWSC-102A)	Other Relationship Specify:	_
Name of Contact: Street: Check here if this person received a field NOR. City/Town: State: ZIP Code: Telephone: Ext.: FAX: D. DEP ASSIGNMENT: (complete if using only BWSC-102A)		
Street: Check here if this person received a field NOR. City/Town: State: ZIP Code: Telephone: Ext.: FAX: D. DEP ASSIGNMENT: (complete if using only BWSC-102A)		Title:
City/Town: State: ZIP Code: Tetephone: Ext.: FAX: D. DEP ASSIGNMENT: (complete if using only BWSC-102A)		
Tetephone: Ext.: FAX:		<u> </u>
D. DEP ASSIGNMENT: (complete if using only BWSC-102A)		
		Signature:
Staff Leed Assigned (if different from preparer):		
Check here if the Release or Threat of Release is unassigned.	Check here if the Release or Threat of Release is unassigned.	
	Check here if this RLFA records a change in staff lead.	
About his Water Of Parameter about to about the	i Uneck here it this KL⊁A records a change in stait land.	

GRAFTON 2-0012393
URAM

SCANNED



Town of Grafton

Board of Sewer Commissioners

Grafton Memorial Municipal Center 30 Providence Road Grafton, Massachusetts 01519

508 839.4435

DEP CENTRAL-REGION

February 10, 2000

Department of Environmental Protection Bureau of Waste Site Cleanup 205A Lowell Street' Wilmington, Ma. 01887

Subject: RTN 2 – 12437 Worcester Street, Grafton URAM Completion Statement

Dear Sir or Madam:

In accordance with 310 CMR 40.0466, enclosed please find a URAM Completion Statement for the above referenced site.

If you have any questions, please contact Mr. James H. Winkler, Camp Dresser & McKee Inc., One Cambridge Place, 50 Hampshire Street, Cambridge, Massachusetts 02139 at (617) 452 – 6263.

Respectfully,

Fred G. Haffty, Superintendent of Sewers



Department of Environmental R Massachuse

Bureau of Waste Site Cleanup

tection

BWSC-106

123<u>9</u>3

RELEASE & UTILITY-RELATED ABATEMENT MEASURE (RAM & URAM) TRANSMITTAL FORM

Pursuant to 310 CMR 40.0444 - 0446 and 310 CMR 40.0462 - 0465 (Subpart D)

Release Tracking Number

A. SITE LOCATION: Site Name: (optional) Street Worcester Street Location Aid: _in_roadway_at_#165_ ZIP City/Town: __Grafton_ _01519_-0.0.0.0 Code: Check here if a Tier Classification Submittal has been provided to DEP for this Release Tracking Number. Related Release Tracking Numbers That This RAM or URAM _RTN_2-12437_ B. THIS FORM IS BEING USED TO: (check all that apply) Submit a RAM Plan (complete Sections A, B, C, D, E, F, J, K, L and M). Check here if this RAM Plan is an update or modification of a previously approved written RAM Date Submitted: Submit a RAM Status Report (complete Sections A, B, C, E, J, K, L and M). Submit a RAM Completion Statement (complete Sections A, B, C, D, E, G, J, K, L and M). Confirm or Provide URAM Notification (complete Sections A, B, H, K, L and M). aooo Submit a URAM Status Report (complete Sections A, B, C, E, J, K, L and M). DEP CENTRAL REGION Submit a URAM Completion Statement (complete Sections A, B, C, D, E, I, J, K, L and M). You must attach all supporting documentation required for each use of form indicated, including copies of any Legal Notices and Notices to Public Officials required by 310 CMR 40.1400. C. SITE CONDITIONS: Check here if the source of the Release or Threat of Release is known. If yes, check all sources that apply: UST Pipe/Hose/Line Transformer Boat Other Specify: Tanker Truck Vehicle Identify Media and Receptors Affected: (check all that Groundwater Surface Water Sediments apply) Paved Zone 2 Residence Wetlands Storm Drain Private Well Public Water Supply Surface Schoo Other Specify: Unknown Identify Release and/or Threat of Release Conditions at Site: (check all that apply) 2 and 72 Hour Reporting Condition(s) Other Condition(s) 120 Day Reporting Condition(s) Describe UST release at 165 Worcester Street. RAMs may be conducted concurrently with an IRA only with written DEP approval URAMs may not be conducted if any 2 or 72 Hour conditions exist at the site. Chlorinated Identify Oils and Hazardous Materials Released: (check all that **Heavy Metals** Solvents apply) Others Specify: D. DESCRIPTION OF RESPONSE ACTIONS: (check all that apply) Deployment of Absorbant or Containment Assessment and/or Monitoring Only Materials Temporary Covers or Caps Excavation of Contaminated Soils Re-use, Recycling or Treatment Bioremediation Soil Vapor On Site Off Site Est. Vol.:--4.0 ___ cubic yards Extraction Describe: Structure Venting System Product or NAPL On Site Off Site Est. Vol.: _ cubic yards Store Recovery SECTION D IS CONTINUED ON THE NEXT PAGE.

Massachusette Department of Environmental Protection Bureau of Wasse Site Cleanup

BWSC-106

RELEASE & UTILITY-RELATED ABATEMENT MEASURE (RAM & URAM) TRANSMITTAL FORM

Release Tracking Number

Pursuant to 310 CMR 40.0444 - 0446 and 310 CMR 40.04	62 - 0465 (Subpart D)
D. DESCRIPTION OF RESPONSE ACTIONS (continued):	
Landfill Cover Disposal Est. Vol.: cubic yards	Groundwater Treatment Systems
Removal of Drums, Tanks or Containers	Air Sparging
Describe	Temporary Water Supplies
Removal of Other Contaminated Media	Temporary Evacuation or Relocation of Residents
Specify Type and Volume:	Fencing and Sign Posting
Other Response Actions Describe	
See 310 CMR 40.0442 for limitations on the sco See 310 CMR 40.0464 for performance stand	dards for URAMs.
Check here if this RAM or URAM involves the use of Innovative Technologies. DEF creating an Innovative Technologies Clearinghouse.	is interested in using this information to aid in
Describe	
E. TRANSPORT OF REMEDIATION WASTE: (if Remediation Waste has been s questions)	ent to an off-site facility, answer the following
Name ofAMREC	n E G E I W G E
Town andCharlton, Massachusetts	
Quantity of Remediation Waste Transported to6.0tons	FEB 2 5 1999
F. RAM PLAN:	3000111
Check here if this RAM Plan received previous oral approval from DEP as a continu	ation of a Limited Removal Action (LRA).
Date of Oral Approval:	- TEGION
If a RAM Compliance Fee is required, check here to certify that the fee has been su payment. See 310 CMR 40.0444(2) to learn when a fee is not required.	bmitted. You MUST attach a photocopy of the
Check here if the RAM Plan is proposed for a Transition Site. If this is the case, you prior to undertaking the RAM, if not previously provided. See 310 CMR 40.0600 for	a may need to attach an LSP Evaluation Opinion further information about Transition Sites.
G. RAM COMPLETION STATEMENT:	
If a RAM Compliance Fee is required in connection with submission of the RAM Conbeen submitted. You MUST attach a photocopy of the payment. You owe this fee w received oral approval of a RAM that continued an LRA, and have NOT previously so	hen submitting a RAM Completion Statement if you
If any Remediation Waste will be stored, treated, managed, recycled or reused at the	the site following submission of the BAM Completion
Statement, you must submit a Phase IV Remedy Implementation Plan, along with the RAM Completion Statement.	le appropriate transmittal form, as an attachment to the
H. URAM NOTIFICATION:	
Identify Location Type: (check all that Public Right of Way	tility Easement Private Property
apply) Identify Utility Type: (check all that apply) Sanitary/Combined Sewerage	Water Drainag Natural Gas
Telephone Steam Lines Telecommunications Electric	Other Specify
Check here if you provided DEP with previous oral notification of this URAM. Date of C Notice:)ral .
Check here if the property owner was NOT contacted prior to initiation of the URAM why the owner was not contacted, including the date and time when contact ultimate Check here if this URAM will occur in connection with the construction of new public and extent of encountered contamination, the scope and expense of necessary mitigalternatives.	ly occurred.
With the exception stated below, the person undertaking the URAM must provide the namin connection with the URAM:	e and license number of an LSP engaged or employed
LSP Name: LSP L	
LSP information is not required if the URAM is limited to the excavation and/or handl contaminated by Oil, or not more than 20 cubic yards of soil contaminated either by a	ing of not more than 100 cubic yards of soil



Massachuset Department of Environmental Protection Bureau of Wasse Site Cleanup

BWSC-106

RELEASE & UTILITY-RELATED ABATEMENT **MEASURE (RAM & URAM) TRANSMITTAL FORM**

Release Tracking

Pursuant to 310 CMR 40.0444 - 0446 and 310 CMR 40.0462 - 0465 (Subpart D)

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a	- !	12393

l.	URA	M	CON	IPLE1	LION	STA	TEN	MEN	łT:

Check here if this URAM was limited to the excavation and/or handling of not more than 100 cubic yards of soil contaminated by Oil, or not more than 20 cubic yards of soil contaminated by either a Hazardous Material or a mixture of a Hazardous Material and Oil.

If any Remediation Waste will be stored, treated, managed, recycled or reused at the site following submission of the URAM Completion Statement, you must submit either a Release Abatement Measure (RAM) Plan or a Phase IV Remedy Implementation Plan, along with the appropriate transmittal form, as an attachment to the URAM Completion Statement.

J. LSP OPINION:

l attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and (iii) the provisions of 309 CMR 4.03(5), to the best of my knowledge, information and belief,

- > if Section B of this form indicates that a Release Abatement Measure Plan is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;
- > if Section B of this form indicates that a Release Abatement Measure Status Report or a Utility-Related Abatement Measure Status Report is being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal:
- > if Section B of this form indicates that a Release Abatement Measure Completion Statement or a Utility-Related Abatement Measure Completion Statement is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof. LSP #: _64.0.6_____ Stamp: LSP _William_R.__Swanson___ Name: Ext.: Telephone _617-452-6274 FAX: (optional) SWANSON Signature: Date:

An LSP Opinion is not required for a Utility-Related Abatement Measure Notification.

An LSP Opinion is not required for a URAM Completion Statement if the URAM is limited to the excavation and/or handling of not more than 100 cubic yards of soil contaminated by Oil, or not more than 20 cubic yards of soil contaminated either by Hazardous Material or a mixture of Hazardous Material and Oil.

		
K. PERSON UNDERTAKING RAM OR UR	M: G G G U V G	
Name ofTown_of_Grafton	1.31	
Organization:	FEB 2.5 1933	Title: Superintendent
Name of Fred G. Haffty Contact:	3 2000	Title Superintendent
Street: _9_Depot_Street	8800	
Oncon	DEP	-
City/Town: _South_Grafton	CENTRAL-REGION	State_MA ZIP Code: _0156.0-00.00
Telephone: _5.08_839_8526	Ext.:	: FAX: _5.08_839_8523(optional)
Check here if there has been a change in pe	rson undertaking the RAM or UF	RAM.
	•	

Massachusett Department of Environmental Protection Bureau of Wasse Site Cleanup

BWSC-106

RELEASE & UTILITY-RELATED ABATEMENT MEASURE (RAM & URAM) TRANSMITTAL FORM

Release Tracking Number

Pursuant to 310 CMR 40.0444 - 0446 and 310 CM	R 40.0462 - 0465 (Subpart D)				
L. RELATIONSHIP TO SITE OF PERSON UNDERTAKING RAM or U	RAM: (check one)				
RP or PRP Specify Owner Operator Generator Transporter Other RP or PRP:					
Fiduciary, Secured Lender or Municipality with Exempt Status (as defined to	by M.G.L. c. 21E, s. 2)				
Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s.	5(j))				
Any Other Person Undertaking RAM or URAM Specify Relationship:					
M. CERTIFICATION OF PERSON UNDERTAKING RAM OR URAM:					
, attest under the pa am familiar with the information contained in this submittal, including any and all my inquiry of those individuals immediately responsible for obtaining the informa best of my knowledge and belief, true, accurate and complete, and (iii) that I am legally responsible for this submittal. I/the person or entity on whose behalf this including, but not limited to, possible fines and imprisonment, for willfully submitt	tion, the material information contained in this submittal is, to the fully authorized to make this attestation on behalf of the entity submittal is made am/is aware that there are significant penalties.				
By: 1241	Title: Superintendent				
(signature)	o F				
(signature) ForTown_of_Grafton (print name of person or entity recorded in Section K)	Date: 9 1 6 3 6 0 0				
Enter address of person providing certification, if different from address recorded K:	d in Section				
Street:	-				
City/Town:	State ZIP Code:				
Telephone:Ext	FAX: (optional)				
YOU MUST COMPLETE ALL RELEVANT SECTIONS OF THIS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FOR A REQUIRED DE	FORM OR DEP MAY RETURN THE DOCUMENT AS RM, YOU MAY BE PENALIZED FOR MISSING ADLINE.				
FEB 25 DEP CENTRAL BEGION					

Town of Grafton, Massachusetts
URAM Completion Statement
RTN 2-12437



Introduction

This Utility-Related Abatement Measure (URAM) Completion Statement describes the remedial actions that were undertaken to address the presence of gasoline contamination in subsurface soil in Worcester Street, Grafton, Massachusetts, at #165 Worcester Street during the installation of a new sewer main. The location of the site on Worcester Street is shown in Figure 1. This URAM Completion Statement has been prepared in accordance with the requirements of Massachusetts Contingency Plan (310 CMR 40.0466).

Background

On September 8, 1998, as a General Contractor (A.F. Amorello & Sons, Inc.), under contract with the Town of Grafton, was installing a new 8-inch sewer main on Worcester Street, the presence of gasoline contaminated soil was identified in the excavation, approximately 8 feet below ground surface along the roadway at #165 Worcester Street. The contaminated soil area is shown in Figure 2. Work was immediately stopped and the Town of Grafton Fire Department was called to assess the situation. Upon inspection of the conditions, the Fire Chief, Mr. Raymond Guilmette contacted Mr. Paul Spano of the DEP Central Region to advise them on the situation. Mr. Spano instructed the Town of Grafton to hire a Licensed Site Professional. Steel plates were placed over the excavation.

According to the owner of #165 Worcester Street, there were three abandoned underground storage tanks in the driveway to the property immediately adjacent to the property line. The owner indicated that before he purchased the property, the former owner had operated a service station and that the tanks had been used for gasoline storage.

On September 9, 1998, the steel plates were removed to 1) evaluate if an imminent hazard condition existed and 2) assess the nature and extent of the release with respect to its potential impact on the sewer main installation project.

Camp Dresser & McKee Inc. (CDM), using an organic vapor monitor, monitored the air space immediately after the steel plates were removed from above the excavation. No detectable readings were measured by the instrument. In addition, there was no olfactory evidence of gasoline odors emanating from the excavation. On the previous day, the air space had been screened for explosive conditions and no detectable readings were measured with a Lower Explosive Level (LEL) monitoring device. Evaluation of the conditions indicated that an imminent hazard condition as defined under the MCP, 40.0321 did not exist.

CDM collected three soil samples at two locations for headspace testing and subsequent laboratory analysis if warranted. The first sample was collected in the excavation where work had been terminated at Station MH +195 feet, on the previous day. A sample (GRAF-01) was collected from the sidewall (towards #165 Worcester Street) of the excavation, approximately 8 feet below ground surface. The headspace reading from the sample was 153 ppm. The sample was submitted to CDM's Laboratory for VPH and EPH analysis. Results of this laboratory analysis, tabulated in **Table 1**, indicated no presence of elevated levels of hydrocarbons above the MCP RCS-2 limit.

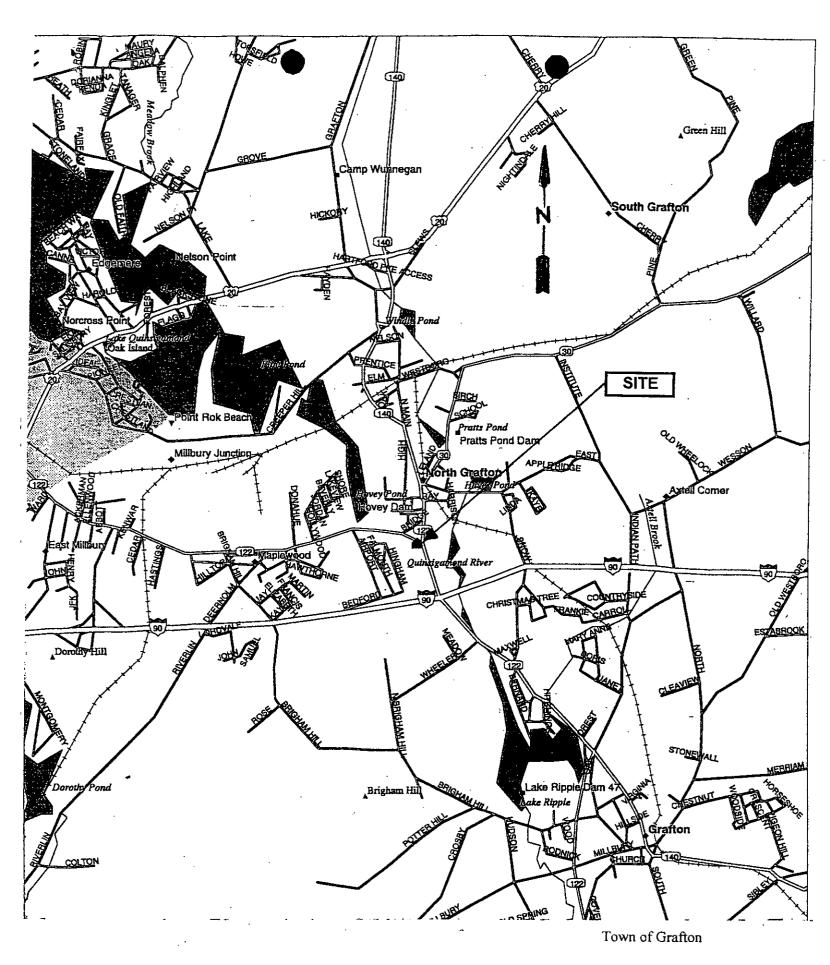


Figure 1 URAM Completion Statement RTN 2-12437

Location Plan

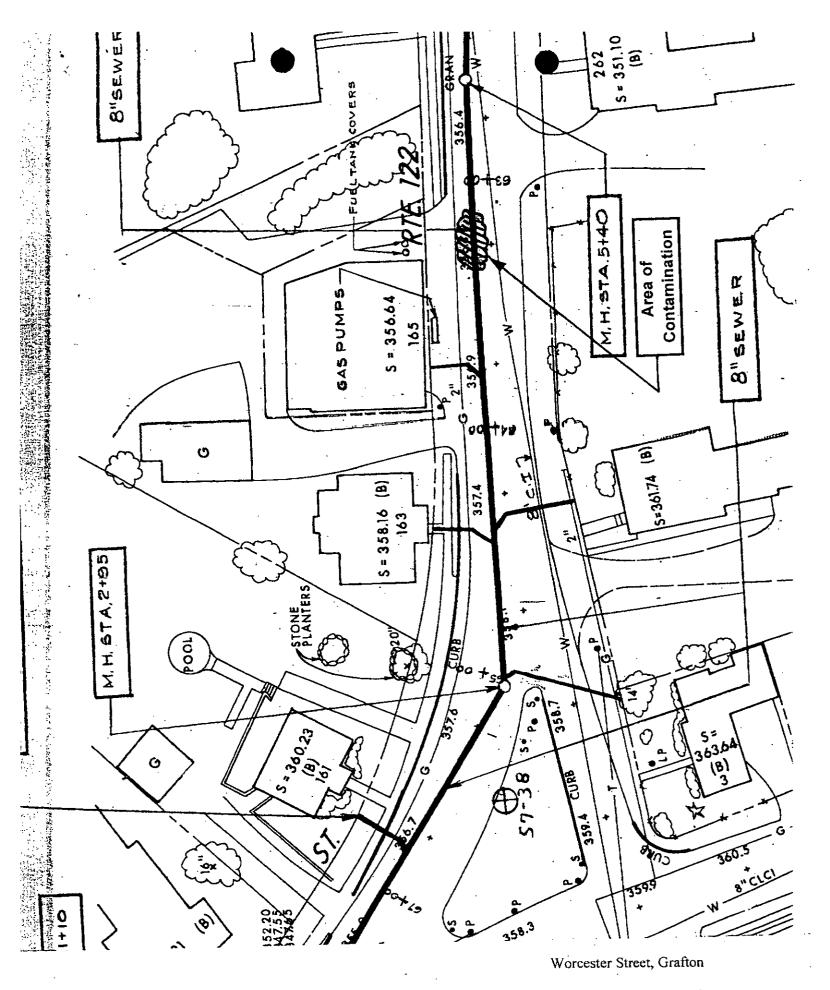


Figure 2 URAM Completion Statement RTN 2-12437 Location Plan

Table 1 ·
URAM Completion Statement
RTN 2-12437
Summary of Initial Sampling Results

	GRAF-01	MCP RCS-2
<u>Parameter</u>	9/8/98	Limits
C5-C8 Aliphatics	. 15	500
C9-C12 Aliphatics	44	2500
C9-C10 Aromatics	75	500
Methyl-tert-burylether	ND	200
Benzene	ND	60
Toluene	ND	500
Ethylbenzene	0.18	500
m/p-Xylene	0.16	500
o-Xylene	0.15	500
Naphthalene	0.36	1000
C9-C18 Aliphatics	33	2500
C19-C36 Aliphatics	39	5000
C11-C22 Aromatics	61	2000
Naphthalene	ND	1000
2-Methylnaphthalene	1.1	1000
Phenanthrene	ND	100
Acenaphthene	·ND	2500
Acenaphthylene	ND	1000
Fluorene	ND	1000
Anthracene	ND	2500
Fluoranthene	ND	2000
Pyrene ·	DN	2000
Benzo[a]anthracene	ИD	1
Chrysene	ND	10
Benzo[b]fluroanthene	ND	1
Benzo[k]fluroanthene	ND	10
Benzo[a]pyrene	ND	. 0.7
Indeno[1,2,3-c,d]pyrene	: ND	1
Dibenzo[a,h]anthracene	ND	0.7
Benzo[g,h,i]perylene	ND	2500

Notes:

All EPH/VPH data are reported with adjusted values.

. Units - mg/kg

ND - Not Detected

The Second sample (GRAF-01A) was collected at the same location, but at approximately 4 feet below ground surface. The headspace reading from the sample indicated no detectable level. The third sample (GRAF-02) was collected 13 feet away at Station MH +208 feet. This sample was also collected in the sidewall of the excavation toward #165 Worcester Street at approximately 8 feet below ground surface. The headspace reading from the sample indicated no detectable level.

On March 29, 1999, a Release Notification Form (BWSC-103) for the Worcester Street URAM was submitted to DEP, Central Region. The Town of Grafton was listed as an abutter to the property at 165 Worcester Street (RTN 2-12437) instead of as the "responsible party." The URAM Notification, submitted to DEP on September 11, 1998, was revised accordingly.

URAM Documentation

Given the urban nature of the site, there was no convenient manner in which to relocate the sewer alignment. Therefore, the General Contractor, A.F. Amorello & Sons, Inc., performed the URAM with assistance from the Town of Grafton Fire Department. The Fire Department was on site during all activities.

Gasoline contaminated soil was excavated on September 13, 1998 and November 13, 1998, for the new sewer main on Worcester Street opposite #165 Worcester Street and for the service connection to #165 Worcester Street, respectively.

On September 13, 1998, clean overlying soil (above 7.5 feet) was segregated and stockpiled separately from contaminated soil as excavation proceeded during the installation of the new sewer main. Overlying soil was considered "clean" based on the absence of olfactory evidence of contamination. Approximately 10 cubic yards of contaminated soil was stored at the town yard during the mainline installation and subsequently moved to #165 Worcester Street.

On November 13, 1998, approximately 30 cubic yards of contaminated soil was excavated during the installation of the service connection. Three confirmatory soil samples (GRAF-03, GRAF-04, and GRAF-05) were collected from the service connection excavation at the property line of #165 Worcester Street. These post excavation soil samples were analyzed for VPH, and the results are tabulated in **Table 2**. Samples GRAF-03 and GRAF-05 showed elevated levels of C9-C10 Aromatic Hydrocarbons above the MCP RCS-2 limit, and an elevated level of C5-C8 Aliphatic Hydrocarbons was found in GRAF-03.

Per agreement with the owner of #165 Worcester Street and his LSP, EcoTec, Inc., 172 Lincoln Street, Worcester, Massachusetts, the excavated gasoline contaminated soil was disposed as part of the response action undertaken at #165 Worcester Street, relative to the removal of underground storage tanks. Approximately 40 cubic yards of soil from the excavation was stored in the rear of the property at #165 Worcester Street along with soil from the tank removals.

On August 2, 1999, three samples (Stockpile, SP-1, and SP-2) were collected from the stockpile located at #165 Worcester Street. One soil sample, Stockpile, was analyzed for TPH, PCBs, VOCs, and RCRA metals while the other soil samples, SP-1 and SP-2, were analyzed for TPH only. Results of the analysis indicated that the soil stockpile was suitable for in-state reuse or recycling. Tabulated results are presented in **Table 3**.

Table 2
URAM Completion Statement
RTN 2-12437

Summary of Post-Excavation Sampling Results

	GRAF-03	GRAF-04	GRAF-05	MCP RCS-2
<u>Parameter</u>	11/13/98	11/13/98	11/13/98	Limits
C5-C8 Aliphatics	536	158	157	500
C9-C12 Aliphatics	1060	350	677	2500
C9-C10 Aromatics	967	. 338	698	500
Methyl-tert-burylether	ND	ND	ND	200
Benzene	ND	ND	ND	60
Toluene	ND	ND	ND	500
Ethylbenzene	18.6	ND	10.4	500
m/p-Xylene	126	33.0	58.3	500
o-Xylene	43.4	11.5	22.6	500
Naphthalene	ND	ND	8.68	1000

Notes:

All VPH data are reported with adjusted values.

Units - mg/kg

ND - Not Detected

Table 3 URAM Completion Statement RTN 2-12437 Summary of Stockpile Sampling Results

Parameter	Stockpile <u>8/2/99</u>	SP-1 8/2/99	SP-2 <u>8/2/99</u>
ТРН	174	498	671
Arsenic	9.5	NA	NA
Cadmium	5.54	NA	NA
Chromium	17.4	NA	NA
Lead	80.0	NA	NA
Mercury	0.05	NA	NA
Arochlor 1221	ND	NA	NA
Arochlor 1232	ND	NA	NA
Arochlor 1016/1242	ND	NA	NA

ND

ND

0.128

NA

NA

NA

NA

NA

Notes:

Units - mg/kg

Arochlor 1248

Arochlor 1254

Arochlor 1260

ND - Not Detected

NA - Not Analyzed

Table 3 (Cont.) URAM Completion Statement RTN 2-12437

Summary of Stockpile Sampling Results

	Stockpile	SP-1	SP-2
<u>Parameter</u>	<u>8/2/99</u>	<u>8/2/99</u>	<u>8/2/99</u>
		<u></u>	
Acetone	ND	NA	NA
Acrolein	ND	NA	NA
Acrylonitrile	ND	· NA	NA
Benzene	ND	NA	NA
Bromoform	ND	NA	NA
Bromomethane	ND	NA	NA
2-Butanone (MEK)	1.06	NA	NA
Carbon Disulfide	ND	NA	NA
Carbon Tetrachloride	ND	NA	NA
Chlorobenzene	ND.	NA	NA
Chloroethane	ND	NA	NA
2-Chloroethylvinylether	ND	NA	NA
Chloroform	ND	NA	NA
Chloromethane	ND	NA	NA
Dibromochloromethane	ND	NA	NA
1,2-Dichlorobenzene	ND	NA	NA
1,3-Dichlorobenzene	NĐ	NA	NA
1,4-Dichlorobenzene	NĐ	NA	NA
Bromodichloromethane	ND	NA	NA
1,1-Dichloroethane	ND	NA	NA
1,2-Dichloroethane	ND	NA	NA
1,1-Dichloroethene	ND	NA	NA
c-1,2-Dichloroethene	ND	NA	NA
t-1,2-Dichloroethene	ND	NA	NA
1,2-Dichloropropane	ND	NA	NA
c-1,3-Dichloropropene	ND	NA	NA
t-1,3-Dichloropropene	ND	NA	NA
Ethylbenzene	ND	NA	NA
2-Hexanone	ND	NA	NA
4-Methyl-2-pentanone (MIBK)	ND	NA	NA
Methylene Chloride	ND	NA	NA
Methyl tert-butyl ether	ND	NA	NA
Styrene	ND	NA	NA
1,1,2,2-Tetrachloroethane	ND	NA	NA
Tetrachloroethene	ND	NA	NA
Toluene	ND	NA	NA
1,1,1-Trichloroethane	ND	NA	NA
1,1,2-Trichloroethane	ND	NA	NA NA
Trichloroethene	ND	NA	NA
Trichlorofluoromethane	ND	NA	NA
Vinyl Chloride	ND		
Xylenes	ND		

Notes:

Units - mg/kg

ND - Not Detected

NA - Not Analyzed

On September 12, 1999, the soil was transported to AMREC in Charlton, MA. Transportation was performed by a common carrier, Zecco, Inc., under a DEP Bill of Lading. Weight slips indicated that a total of 375 tons of soil was transported off-site, of which approximately 60 tons was from the URAM. A copy of the MADEP Bill of Lading is provided in **Appendix A**.

On the basis of the above information and data, this URAM is considered to be complete.

Town of Grafton URAM Completion Statement RTN 2-12437

Appendix A
Copy of MADEP Bill of Lading



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup **BWSC**-012A

DEP BILL OF LADING (pursuant to 310 CMR 40.0030)	2-12437
A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS G. Release Name (optional): Graften Auto Street: 165 Watte Str. Road Location Aid:	ENERATED:
City/Town: Zip Code: Zip	
Note: If this Bill of Lading is the result of a Limited Removal Action (LRA) Notification, a Release Tracking Number is not needed.	Raken prior to
B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADII Name of Organization: Laborate ER Name of Contact: Bob Bunne Street: 627 Main 87 City/Town: Laborate 1633 Ext 50/3 Telephone: 580 - 792 - 1653 Ext 50/3	71605
C. RELATIONSHIP TO RELEASE OR THREAT OF RELEASE OF PERSON CONDUCT ASSOCIATED WITH BILL OF LADING: (check one/specify) RP Specify (circle one): Owner Operator Generator Transporter Other RP: PRP Specify (circle one): Owner Operator Generator Transporter Other PRP: Riduciary/Secured Lender Agency/Public Utility on a Right of Way Other Person: PPP - ERBOACA If an owner and/or operator is not conducting the response action associated with the Bill of Lading, provide on a	
D. TRANSPORTER/COMMON CARRIER INFORMATION: Transporter/Common Carrier Name: Zeco Contact Person: Mark Noack Street: 346 West Main Street City/Town: Northboro State: MA Zip Code:	2532 -
Telephone: 207 - 323 - 6337 Ext. E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION: Operator/Facility Name: A MREC Contact Person: B. M. Egmbridge Street: 130 Sturbridge Rd City/Town: Charlton State: MA Zip Code: C	01507 -
Type of Facility: Asphalt Batch/Cold Mix LandRil/Disposal Incinerator (check one) Asphalt Batch/Hot Mix LandRil/Daily Cover Temporary Stora Thermal Processing LandRil/Structural Fill Other:	ige
Waste/Class A Permit #: EPA Identific EPA Identific	Pation #: <u>MA0 7 5220/155</u>



Massachusetts Department of Environmental Protection BWSC-012A Bureau of Waste Site Čleanup

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BILL OF LADING (pursuant to 310 CMR 40.0030)		
E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued):		
Temporary Storage Address:		
Street:		
City/Town: State: 1 Zip Code:		
F. DESCRIPTION OF REMEDIATION WASTE:		
(check all that apply)		
Contaminated Media (circle all that apply): Soil Groundwater Surface Water Other:		
Contaminated Debris (circle all that apply): Demolition/Construction Waste Vegetation/Organic M	atenals	
Inorganic Absorbant Materials Other:		
Non-hazardous Uncontainerized Waste (circle all that apply); Non-aqueous Phase Liquid Other:		
Non-hazardous Containerized Waste (circle all that apply): Tank Bottoms/Sludges Containers	Drums	
Engineered Impoundments Other: Time of Contamination (circle all that zont)	#6 Oil Waste Oil	
Type of Containments (Circle and the apply).	48 CH 174318 CH	
Kerosene Jet Fuel Other: Tons: 375 Other		
Estimated Volume of Materials: Cubic Yards 250 Tons: 313 Other		
Contaminant Source (check one/specify): 🔲 Transportation Accident 💢 Underground Storage Tank 🔲 O	ther:	
Response Action Associated with Bill of Lading (circle one): Immediate Response Action Release	se Abatement Measure	
	nsive Response Action	
Other (specify):		
Remediation Waste Characterization Support Documentation attached:		
Site History Information Sampling and Analytical Methods and Procedures 🔯 Laboratory Data	Field Screening Data	
It supporting documentation is not appended, provide an attachment stating the date and in connection	with what document such	
information was previously submitted to DEP.		
G. LICENSED SITE PROFESSIONAL (LSP) OPINION:		
Name of Organization: DEP - Emeryoney Response	D. B. 1010	
· ·	Response Brench Clist	
Telephone: Ex	a say a di saya da basana	
I have personally examined and am familiar with the information contained on and submitted with this form. Bat Opinion that the testing and assessment actions undertaken were adequate to characterize the Remediation.	sed on this information, it is my Waste, in accordance with 310	
CMR 40.0030, and that the facility or location can accept emediation wastes with the characteristics describe that significant penalties including, but put imited to personal fines and imprisonment may result if I wilfully sub-	d in this submittal. I am aware	
that significant penalties including, but not imited to additions and imprisonment may result it I willuly sub be false, inaccurate, or materially incomplete.	mit intolligitation which I know to	
What I want to the same of the		
Signature: Seal:	10:00	
	EP-ER	
License Number		
H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED BILL OF LADING:	WITH THIS	
I certify under penalties of law that I have personally examined and am familiar with the information contained	in this submittal, including any	
and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware		
that there are significant penalties, including, but not limited to, possible lines and imprisonment, for willuly s	ubmitting false, inaccurate, or	
incomplete information.	1 44	
Signature: 110 / Date: 8 / 10 /	<u> </u>	
Name of Borger (mint): Michaela & J. Child DEP-ER-BWSC		



Massachusetts Department of Environmental Protection

BWSC-0128

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

2-12437

LOG SHEETOF	
I. LOAD INFORMATION:	1
LOAD 1: Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative;
	Date of Receipt: Time of Receipt:
Date of Shipment: Time of Shipment: 30 (circle one) am/pm	
Truck/Tractor Registration: Trailer Registration (if any): 39746 25953 m	(circle one) am/pm
LOAD 2: Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Date of Shipment: Time of Shipment:	Date of Receipt: Time of Receipt:
/ (circle one) arr/pm	
Truck/Tractor Registration: Trailer Registration (if any):	(circle one) am/pm
	Load Size (cu. yds./tons):
LOAD 3: Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Date of Shipment: Time of Shipment:	Date of Receipt: Time of Receipt:
::	_/_/_
Truck/Tractor Registration: Trailer Registration (if any):	(circle one) am/pm
	Load Size (cu. yds./tons):
LOAD 4: Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Date of Shipment: Time of Shipment:	Date of Receipt: Time of Receipt:
(circle one) am/pm	_/_/_
Truck/Tractor Registration: Trailer Registration (if any):	(circle one) am/pm
LOAD 5: Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Date of Shipment: Time of Shipment: (circle one) am/pm	Date of Receipt: Time of Receipt:
Truck/Tractor Registration: Trailer Registration (if any):	(circle one) am/pm
11864 Harrist (168100 Ezell)	Load Size (cu. yds_/tons):
LOAD 6: Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Date of Shipment: Time of Shipment:	Date of Receipt: Time of Receipt:
	/_ /_ :
Truck/Tractor Registration: Trailer Registration (if any):	(circle one) am/pm
	Load Size (cu. yds./tons):
LOAD 7: Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Oate of Shipment: Time of Shipment:	Date of Receipt: Time of Receipt:
(circle one) am/pm	_/_/_
Truck/Tractor Registration: Trailer Registration (if any):	(circle one) arrypm
12	Load Size (cu. yds./fans):
J. LOG SHEET VOLUME INFORMATION:	Total Volume This Page (cu.yds./tons):
	Total Carried Forward (cu.yds./tons):
Total Carrie	d Forward and This Page(cu.yds./tons):
Revised 10/1/93 This form is printed on recyc	cled paper. Page 1 of 1
RECEIVED TIME JAN.27. 3:47PM	



Massachusetts Department of Environmental Protection BWSC-012C

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)
SUMMARY SHEET____ OF____

	Rulesse Tracking Murriaer:
2-	12437

K. SUMMARY OF	HIPMENTS:	٠.	
DATE OF SHIPMENT:	DATE OF RECEIPT:	NUMBER OF LOADS SHIPPED:	DAILY VOLUME SHIPPED (CU. YDS./TONS):
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<i>9</i>	<u> </u>		
	SHEET TOTAL SHIPPED:		
BILL OF LADING TOTALS	HIPPED (only if different):		

Revised 10/1/93

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Page 1 of 2



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC-012C

sase Tracturg Number:

BILL OF LADING (pursuant to 310 CMR 40.0030) SUMMARY SHEET

Receiving Facility/Temporary Location Representative (print):	Title:
Signature:	Date://
M. ACKNOWLEDGEMENT OF SHIPMENT CONDUCTING RESPONSE ACTION A	r and receipt of remediation waste by Person Associated with this bill of Lading:
and all documents accompanying this certification, a he information, the material information contained her hat there are significant penalties, including, but not	ind that, based on my inquiry of those individuals immediately responsible for obtaining rein is, to the best of my knowledge and belief, true, accurate and complete. I am aware
and all documents accompanying this certification, a the information, the material information contained her	examined and am familiar with the information contained in this submittal, including any and that, based on my inquiry of those individuals immediately responsible for obtaining rein is, to the best of my knowledge and belief, true, accurate and complete. I am aware a limited to, possible fines and imprisonment, for wilfully submitting false, inaccurate, or Date://

Revised 10/1/93

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Page 2 of 2

GeoLabs, inc.

Environmental Laboratories

PREPARED FOR:

Zecco, Inc.

345 West Main Street Northboro, MA 01532

Attn: David Cunliffe

PROJECT ID:

Grafton Auto

Grafton

GEOLABS CERTIFICATION #:

MA-015

SAMPLE NUMBER:

84164-84166

DATE PREPARED:

August 6, 1999

PREPARED BY:

Christine Johnson

APPROVED BY:

im Open Laboratory Director/Date

Location:

10 Plain Street

Braintree, MA 02184

Phone: (781) 848-7844

Fax: (781) 848-7811

. 1 of 9

7701--761 000 VP

רבט ט גטטט דויקט

מעם בבעם

CLIENT NAME:

ZECCO

SAMPLE TYPE: COLLECTION DATE:

08/02/99

REC'D BY LAB: COLLECTED BY:

SOIL

08/03/99 CLIENT

PROJECT ID:

REPORT DATE:

ANALYZED BY:

EXTRACTION DATE:

DIGESTION DATE:

GRAFTON AUTO

08/06/99

DW 08/04/99

08/03/99

N/A

TOTAL PETROLEUM HYDROCARBONS

DETECTION LIMIT TPH SAMPLE SAMPLE (mg/Kg) LOCATION (mg/Kg) NUMBER

84164	STOCKPILE	174	7.0
84165	SP-1	498	7.0
84168	SP-2	671	70.0

ND = NOT DETECTED

Method Reference:

EPA Method

8100 (1) Modified

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1986, 3rd Edition.

2 of 9

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1791-761-200: XE1

CLIENT NAME:

ZECCO

SAMPLE TYPE: COLLECTION DATE: SOIL

REC'D BY LAB:

08/03/99

COLLECTED BY:

08/02/99

CLIENT

PROJECT ID:

REPORT DATE:

ANALYZED BY:

EXTRACTION DATE: 08/03/99

DIGESTION DATE:

GRAFTON AUTO

08/06/99

SRW 08/05/99

N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER: SAMPLE LOCATION: 84164

STOCKPILE

	RESULTS (µg/Kg)	DETECTION LIMIT (µg/Kg)
Arochior 1221	ND	10.0
Arochlor 1232	ND	10.0
Arochior 1016/1242	ND	10.0
Arochlor 1248	ND	1 0. 0
Arochlor 1254	ND	10,0
Arachier 1260	128	10.0

ND = NOT DETECTED

Method Reference:

EPA Method

8080 (1, 2)

- 1) Code of Federal Regulations 40 CFR, Parts 100-149, 1993.
- 2) U.S. EPA Test Methods for Evaluating Solid Waste. Physical/Chemical Methods, SW-846, 1986, 3rd Edition. 3 of 9

F. O≀I CHIT OCON C THAT

CLIENT NAME:

ZECCO

SAMPLE TYPE:

SOIL

COLLECTION DATE: 08/02/99

REC'D BY LAB:

08/03/99

COLLECTED BY:

CLIENT

PRESERVATIVE:

METHANOL

PROJECT ID:

GRAFTON AUTO

REPORT DATE:

08/06/99

ANALYZED BY: EXTRACTION DATE: N/A

MP 08/05/99

DIGESTION DATE:

N/A

YOLATILE ORGANICS

SAMPLE NUMBER:

84164

SAMPLE LOCATION:

STOCKPILE

	RESULTS (µg/Kg)	DETECTION LIMIT (µg/Kg)
Acetone	ND	1000
Acrolein	МD	1000
Acrylonitrile	ND	1000
Benzene	ND	100
Bromoform	מא	100
Bromomethane	ON	100
1-Butanone (MEK)	1060	200
Cerbon Disuifide	ND	100
Carbon Tetrachioride	ND	100
Chlorobenzene	D	100
Chloroethane	NO	100
2-Chloroethylvinylether	ND	100
Chloroform	ND	100
Chloromethans	ND	100
Dibromochloromethane	NO	100
1,2-Dichlorobertzene	ND	100
1.3-Dichlorobenzene	ND	100
1,4-Dichlorobenzene	Й	100
Bromodichloromethane	ND	100
1,1-Dichloroethane	NO	100
1,2-Dichloroethana	ND	20.0
1,1-Dichloroethene	ND	100
c-1,2-Dichloroethene	ND	100
t-1,2-Dichloroethene	ND 4 of 9	100

CLIENT NAME:

ZECCO

SAMPLE TYPE:

SOIL

COLLECTION DATE:

08/02/99 08/03/99

REC'D BY LAB: COLLECTED BY: PRESERVATIVE:

CLIENT METHANOL PROJECT ID:

GRAFTON AUTO

REPORT DATE: ANALYZED BY:

08/06/99

EXTRACTION DATE:

MP 08/05/99

N/A

DIGESTION DATE:

N/A

YOLATILE ORGANICS

SAMPLE NUMBER: SAMPLE LOCATION: 84164

STOCKPILE

	RESULTS (μg/Kg)	DETECTION LIMIT (µg/Kg)
1,2-Dichlaropropane	ND .	100
c-1,3-Dichloropropene	ND	11.8
t-1,3-Dichloropropene	ND	100
Ethylberizana	NÖ	100
2-Hexanone	ND	100
4-Methyl-2-pentanone (MIBK)	NO	100
Methylane Chloride	ND	100
Methyl ten-bulyl ether	ND	100
Styrene	ND	100
1,1,2,2-Tetrachloroethane	ND	38.5
Tetrachloroethene	ND	100
Totuene	ND	100
1,1,1-Trichlorgethane	ND	100
1,1,2-Trichloroethane	. ND	100
Trichloroethene	ND	100
Trichlorofluoromethane	ND	100
Vlnyl Chloride	ND	40.0
Xylenes	ND	100

NO - NOT DETECTED

Method Reference:

EPA Method

GC/MS 8240 (1)

5035 Collection Method

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1986, 3rd Edition. 5 of 9

CD-TT NOOZ C BB-1 ٣. ٥٥

1791-761-809: XE1

CLIENT NAME:

ZECCO

SAMPLE TYPE:

COLLECTED BY:

SOIL

COLLECTION DATE: REC'D BY LAB:

08/02/99

08/03/99

CLIENT

PROJECT ID:

GRAFTON AUTO

REPORT DATE: ANALYZED BY:

08/06/99 LN 08/04/99

EXTRACTION DATE:

N/A

DIGESTION DATE:

SEE BELOW

TOTAL RCRA METALS

SAMPLE NUMBER:

84164

STOCKPILE SAMPLE LOCATION:

		·	
	RESUL TS (mg/Kg)	DETECTION LIMIT (mg/Kg)	Analysis Date
ARSENIC	9. 6 0	1.55	08/03/99
CADMIUM	5.54	0.231	08/03/99
CHRONIUM	17.4	1.98	08/03/99
LEAD	90.0	0.99	08/03/99
MERCURY	0.05	0.02	08/04/99

ND = NOT DETECTED

Method Reference:

EPA Method

3050A (1) Metal Preparation

EPA Method

6010A (1) Inductively Coupled Plasma

EPA Method

10.7

7471 (1)

Manual Cold Vapor (Mercury)

¹⁾ U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1986, 3rd Edition.

CLIENT NAME:

ZECCO

SAMPLE TYPE:

SOIL 08/02/99

COLLECTION DATE: REC'D BY LAB:

08/03/99

COLLECTED BY: CLIENT PROJECT ID:

REPORT DATE:

ANALYZED BY:

EXTRACTION DATE:

DIGESTION DATE:

GRAFTON AUTO

08/06/99

SEE BELOW

N/A N/A

PHYFLASHPOINT/REACTIVITY

SAMPLE NUMBER:

84164

SAMPLE LOCATION:

STOCKPILE

PARAMETER	RESULTS	DETECTION LIMIT	ANALYZED BY
pH, 8.U.	5.0	N/A	KAB 08/04/99
FLASHPOINT, ° C	>93	20° C	AS 08/03/99

REACTIVITY

(mg/Kg):

CYANIDE	ND	5.00	KAB 08/04/99

SULFIDE	ND	0.312	KAB 08/04/99

ND - NOT DETECTED

Method Reference:

		m 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
EPA Method	10 10 (1)	Pensky Martin Closed Cup
EPA Method	9045 (1)	Electrometric
EPA Method	7. 3.3.2 (1)	Cyanide
EPA Method	7.3.4.2 (1)	Sulfide

¹⁾ U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1986, 3rd Edition. 7 of 9

GEOLABS, INC. 10 PLAIN STREET BRAINTREE, MA 02184 MA-015

LIMITATIONS & EXCLUSIONS

All the professional opinions presented in this report are based solely on the scope of work conducted and sources referred to in our report. The data presented by GeoLabs in this report was collected and analyzed using generally accepted industry methods and practices at the time the report was generated. This report represents the conditions, locations and materials that were observed at the time the work was conducted. No inferences regarding other conditions, locations or materials, at a later or earlier time may be made based on the contents of the report. No other warranty, express or implied is made.

This report was prepared for the sole use of our client. Portions of the report may not be used independent of the entire report.

All analyses were performed within required holding times, in accordance with EPA protocols and using accepted QA/QC procedures. The information contained in this report is, to the best of my knowledge, accurate and complete.

Page 1 a Z SPECIAL INSTRUCTIONS	Fos Friday		DANDEL POSCHETES		beloant 7, 29-0	ALYSES REQUES	774	2 14.30 2 14.30 2 10 2 10 0013-H	70 A Co.	- X X X X X	4					Received By: Date/Time:	Received By:	Regalfold By Supply Bas:
	3	8/8/4/	OARE	2 2 2 2	Run Tella-			OSTE	PH Flore Soul	X						Date/Time		<i>\\</i>
			æ					GEOLABS SAMPLE		84164	84165	84166				Rainquished B	ReImquished By:	Relinquished By:
			Graffin AUND	707				O K K		7 4	7	7	 	#	+	is.		
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					der 🗱	•		がよてに	- ×	}	7	7				PRESERVATIVE	Q	3 = H ₂ SO,
			Project Number: Project Location:		Purchase Order #:	ker nat	INER	Ø > « ?	2 -	4	1	_				PRESER 1 = HCL	2 = HNO,	L Z
			Project Project		Purch		CONTAINER	⊢≻ •	. W	J	9	J				<u> </u>		ater Tec
ories			<i>¥</i> .	0				SAMPLE		Stockerle	58-1	5-25				MATRIX CODES:	WW = Wastewater	DW = Drinking Water
Geol 18, Inc.	4 6	18. 18.	() () () () () () () () () () () () () (74×14-6000			HOIT	⊢ - \$	П							ES:		
38, Inc	eet IA 02184	781-848-7811	Secro	14/1			COLLECTION	□ ∢ ≻	- พ	12/4	M /	3				R CODI	-	
Geol x	10 Plain Street Braintree, NA	Office: 7 Fax: 7	Client: Address:	'	Fax:	Contact:		SAMPLE		T						CONTAINER CODES:	A = Amber B = Bag	G = Glass



Town of Grafton

Board of Sewer Commissioners

Grafton Memorial Municipal Center 30 Providence Road

Grafton, Massachusetts 01519

508 839-4435

February 10, 2000

Department of Environmental Protection Bureau of Waste Site Cleanup 205A Lowell Street' Wilmington, Ma. 01887

Subject: RTN 2 – 12437 Worcester Street, Grafton URAM Completion Statement

Dear Sir or Madam:

In accordance with 310 CMR 40.0466, enclosed please find a URAM Completion Statement for the above referenced site.

If you have any questions, please contact Mr. James H. Winkler, Camp Dresser & McKee Inc., One Cambridge Place, 50 Hampshire Street, Cambridge, Massachusetts 02139 at (617) 452 – 6263.

Respectfully,

Fred G. Haffty, Superintendent of Sewers



Massachusetts partment of Environmental Prot Bureau of Waste Site Cleanup

BWSC-106

Release Tracking

RELEASE & UTILITY-RELATED ABATEMENT

DEP	MEASURE (RAM & URAM) TRANSMIT	A
	Pursuant to 310 CMR 40.0444 - 0446 and 310 CMR	40.0462 - 0465 (Subpart D)
A. SITE LOCATION	!:	
Site Name:		
Street: Worcester		Location Aid: in roadway at #165
City/Town: Grafto	n	ZIP <u>01519-0000</u>
	ier Classification Submittal has been provided to DEP for this	Release Tracking Number.
	king Numbers That This RAM or URAM	
B. THIS FORM IS E		
	an (complete Sections A, B, C, D, E, F, J, K, L and M). If this HAM Plan is an update or modification of a previously a	approved written HAM Date Submitted:
	tatus Report (complete Sections A, B, C, E, J, K, L and M).	
	ompletion Statement (complete Sections A, B, C, D, E, G, J,	K, L and M). SEP 1 5 1998
	le URAM Notification (complete Sections A, B, H, K, L and M	1).
	Status Report (complete Sections A, B, C, E, J, K, L and M).	K L and M
	Completion Statement (complete Sections A, B, C, D, E, I, J must attach all supporting documentation required for ea any Legal Notices and Notices to Public Officia	ach use of form indicated, including copies of
C. SITE CONDITIO	NS:	
Check here if the	source of the Release or Threat of Release is known.	
If yes, check all s	ources that apply: UST Pipe/Hose/Line	AST — Drums Transformer Boat
Tanker Truc	k Vehicle Other Specify:	\
Identify Media and Re	ceptors Affected: (check all that Air Groun	ndwater Surface Water Sediments Soll
Wetlands	Storm Drain Paved Private We Surface Private We	ell Public Water Supply Zone 2 Residence
ا لسا اdentify Belease and/o	or Threat of Release Conditions at Site: (check all that app.	y) ·
	our Reporting Condition(s) 120 Day Reporting C	<u> </u>
	The potating continuous, and the potating continuous and t	
-		
	RAMs may be conducted concurrently with an IRA URAMs may not be conducted if any 2 or 72 Hou	r conditions exist at the site.
·	rdous Materials Released: (check all that O	Is Chionnated Heavy Metals
	pecify:	
	OF RESPONSE ACTIONS: (check all that apply)	Deployment of Absorbant or Containment
Assessment and	or Monitoring Only	Materiale
Excavation of Co	ontaminated Soils	Temporary Covers or Caps
Re-use, Re	cycling or Treatment	Bioremediation
On Sit	e Off Site Est. Vol.:cubic ya	<u> </u>
Describe: _	a	Structure Venting System
Store (On Site Off Site Est. Vol.: cubic ya	
1	SECTION D IS CONTINUED ON	THE NEXT PAGE.



Massachusetts Parartment of Environmental Protection Bureau of Waste Lee Cleanup

BWSC-106

RELEASE & UTILITY-RELATED ABATEMENT MEASURE (RAM & URAM) TRANSMITTAL FORM

Release Tracking

2-12393

Fulsualit to 310 CMA 40.0444 - 0446 and 310 CMA 40.046	72 - 0400 (Subpart D)
D. DESCRIPTION OF RESPONSE ACTIONS (continued):	
Landfill Cover Disposal Est. Vol.: cubic yards	Groundwater Freatment Systems
Removal of Drums, Tanks or Containers	Air Sparging
Describe:	Temporary Water Supplies
Removal of Other Contaminated Media	Temporary Evacuation or Relocation of Residents
Specify Type and	Fencing and Sign Posting
Other Response Actions Describe	
See 310 CMR 40.0442 for limitations on the scop See 310 CMR 40.0464 for performance stand	
Check here if this RAM or URAM involves the use of Innovative Technologies. DEP is an Innovative Technologies Clearinghouse.	s interested in using this information to aid in creating
Describe	
E. TRANSPORT OF REMEDIATION WASTE: (if Remediation Waste has been see	
Name of	- · · · · · · · · · · · · · · · · · · ·
Town and State:	10 SEP 1 5 1988 1 1 1
Quantity of Remediation Waste Transported to	
F. RAM PLAN:	EGION
Check here if this RAM Plan received previous oral approval from DEP as a continua	tion of a Limited Removal Action (LRA).
Date of Oral	
If a RAM Compliance Fee is required, check here to certify that the fee has been subspayment. See 310 CMR 40.0444(2) to learn when a fee is not required.	mitted. You MUST attach a photocopy of the
Check here If the RAM Plan is proposed for a Transition Site. If this is the case, you prior to undertaking the RAM, if not previously provided. See 310 CMR 40.0600 for fu	may need to attach an LSP Evaluation Opinion urther information about Transition Sites.
G. RAM COMPLETION STATEMENT:	
If a RAM Compliance Fee is required in connection with submission of the RAM Comsubmitted. You MUST attach a photocopy of the payment. You owe this fee when subapproval of a RAM that continued an LRA, and have NOT previously submitted a RAM.	bmitting a RAM Completion Statement if you received oral
If any Remediation Waste will be stored, treated, managed, recycled or reused at t Statement, you must submit a Phase IV Remedy Implementation Plan, along with the RAM Completion Statement.	e appropriate transmittal form, as an attachment to the
H. URAM NOTIFICATION:	
Identify Location Type: (check all that apply) 🚺 Public Right of Way 🔲 U	tility Easement Private Property
Identify Utility Type: (check all that	Water Drainag Natural Gas
Telephone Steam Lines Telecommunications Electric	Other Specify:
Uneck nere if you provided UEP with previous oral notification of this Date of C	Oral 09/08/98
Check here if the property owner was NOT contacted prior to initiation of the URAM. why the owner was not contacted, including the date and time when contact ultimately Check here if this URAM will occur in connection with the construction of new public of and extent of encountered contamination, the scope and expense of necessary mitigal alternatives.	y occurred. utilities. If this is the case, document the nature
With the exception stated below, the person undertaking the URAM must provide the name connection with the URAM:	e and license number of an LSP engaged or employed in
LSP Name: <u>William R. Swanson</u> LSP L	License Number: 6406
LSP information is not required if the URAM is limited to the excavation and/or handli contaminated by Oil, or not more than 20 cubic yards of soil contaminated either by a	ing of not more than 100 cubic yards of soil h Hazardous Material or a mixture of a Hazardous



Massachusetts Pepartment of Environmental Protection Bureau of Waste Lie Cleanup

BWSC-106

RELEASE & UTILITY-RELATED ABATEMENT **MEASURE (RAM & URAM) TRANSMITTAL FORM**

Release Tracking

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Pursuant to 310 CMR 40.0444 - 0446 and 310	CMR 40.0462 - 0	465 (Subpart D)	a - 12373
LURAM COMPLETION STATEMENT:			
Check here if this URAM was limited to the excavation and/or handling more than 20 cubic yards of soil contaminated by either a Hazardous M	of not more than 10 aterial or a mixture	0 cubic yards of soil contam of a Hazardous Material and	ninated by Oll, or not d Oil.
If any Remediation Waste will be stored, treated, managed, recycled of Statement, you must submit either a Release Abatement Measure (RA appropriate transmittal form, as an attachm	\M) Plan or a Phas	s IV Remedy Implementati	the URAM Completion on Plan, along with the
J. LSP OPINION:			
I attest under the pains and penalties of perjury that I have personally exami documents accompanying this submittal. In my professional opinion and jud 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and (iii) the information and belief,	gment based upon a	application of (i) the standar	rd of care in 309 CMB
if Section B of this form indicates that a Release Abatement Measure Plassubmittal (i) has (have) been developed in accordance with the applicable prand reasonable to accomplish the purposes of such response action(s) as seand (iii) complies(y) with the identified provisions of all orders, permits, and a	ovisions of M.G.L. o	 21E and 310 CMR 40,000 able provisions of M.G.L. c. 	O. (ii) is (are) appropriate
> if Section B of this form indicates that a Release Abatement Measure Stabeing submitted, the response action(s) that is (are) the subject of this submit provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate are forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and approvals identified in this submittal;	ttal (i) is (are) being nd reasonable to acc	implemented in accordance complish the purposes of su	e with the applicable uch response action(s) as set
> if Section B of this form indicates that a Release Abatement Measure Co Completion Statement is being submitted, the response action(s) that is (ar implemented in accordance with the applicable provisions of M.G.L. c. 21E a accomplish the purposes of such response action(s) as set forth in the applic complies(y) with the identified provisions of all orders, permits, and approvals	e) the subject of this nd 310 CMR 40.000 able provisions of M	s submittal (l) has (have) be 00, (ii) ls (are) appropriate a I.G.L. c. 21E and 310 CMR	en developed and nd reasonable to
I am aware that significant penalties may result, including, but not limited to, l be false, inaccurate or materially incomplete.	possible fines and in	nprisonment, if I submit info	rmation which I know to
Check here if the Response Action(s) on which this opinion is based, if by DEP or EPA. If the box is checked, you MUST attach a statement ide	any, are (were) subj entifying the applica	ect to any order(s), permit(s ble provisions thereof.	i) and/or approval(s) issued
LSP Name: LSP #:	Stamp:		λ_i
Telephone: Ext.:			1
FAX: (optional)	;	SEP	151998
Signature:	· 	· · · · · · · · · · · · · · · · · · ·	
Date:		C	- JION
An LSP Opinion is not required for a Utility-	Palstad Abstamani	Massure Notification	
An LSP Opinion is not required for a URAM Completion Statement if the 100 cubic yards of soil contaminated by Oil, or not more than 20 contaminated by Oil, or n	URAM is limited to ubic yards of soil c	o the excavation and/or ha ontaminated either by Har	andling of not more than zardous Material or
K. PERSON UNDERTAKING RAM OR URAM:			
Name of Town_of_Grafton	· · · · · · · · · · · · · · · · · · ·		
Name of Fred G. Haffty	Title: <u>Supe</u>	rintendent	
Street: 9 Deapot Street			
City/Town: South Grafton	State: <u>MA</u>	ZIP Code: <u>0156</u>	0-0000
Telephone: <u>508-839-8526</u> Ext.:	•	508-839-8523	
Check here if there has been a change in person undertaking the RAM	or URAM.		



Massachusetts Papartment of Environmental Protection Bureau of Waste Cleanup

Pursuant to 310 CMR 40.0444 - 0446 and 310 CMR 40.0462 - 0465 (Subpart D)

BWSC-106

RELEASE & UTILITY-RELATED ABATEMENT MEASURE (RAM & URAM) TRANSMITTAL FORM

Release Tracking

2-12393

L. RELATIONSHIP TO SITE OF PERSON UNDERTAKING RAM or UR	IAM: (check one)							
RP or PRP Specify: • Owner Operator Operator Transporter Other RP or PRP:								
Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)								
Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))								
Any Other Person Undertaking RAM or URAM Specify								
M. CERTIFICATION OF PERSON UNDERTAKING RAM OR URAM:								
I, Fred G. Hafftv , attest under the pains a familiar with the information contained in this submittal, including any and all docur inquiry of those individuals immediately responsible for obtaining the information, the my knowledge and belief, true, accurate and complete, and (iii) that I am fully author responsible for this submittal. If the person or entity on whose behalf this submittal including, but not ilmited to, possible fines and imprisonment, for willfully submitting By (etgnature) For: Town of Grafton (print name of person or entity recorded in Section K)	he material information contained in this submittal is, to the best of prized to make this attestation on behalf of the entity legally is made am/is aware that there are significant penalties.							
	- October							
Enter address of person providing certification, if different from address recorded in	n Section							
Street: City/Town:	State: ZIP Code:							
Telephone: Ext.:	FAX: (optional)							
YOU MUST COMPLETE ALL RELEVANT SECTIONS OF THIS F INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORI A REQUIRED DEA	M, YOU MAY BE PENALIZED FOR MISSING							





Massachusetts partment of Environmental Prot Bureau of Waste Site Cleanup

RELEASE & UTILITY-RELATED ABATEMENT MEASURE (RAM & URAM) TRANSMITTAL FORM

Pursuant to 310 CMR 40.0444 - 0446 and 310 CMR 40.0462 - 0465 (Subpart D)

on	199	BWSC-106
Y	Relea	se Tracking
t D)	2	- 12393

A. SITE LOCATION:	
Site Name:	
Street: Worcester Street	Location Ald: _in_roadway_at_#165
City/Town: Grafton	ZIP <u>01519-0000</u>
Check here if a Tier Classification Submittal has been provided to DEP for this	s Release Tracking Number.
Related Release Tracking Numbers That This RAM or URAM RTN 2-	-12437
B. THIS FORM IS BEING USED TO: (check all that apply)	
Submit a RAM Plan (complete Sections A, B, C, D, E, F, J, K, L and M).	
Check here if this RAM Plan is an update or modification of a previously Plan.	Date Submitted:
Submit a RAM Status Report (complete Sections A, B, C, E, J, K, L and M).	M E CE I TO E I)
Submit a RAM Completion Statement (complete Sections A, B, C, D, E, G, J,	111111 =
Confirm or Provide URAM Notification (complete Sections A, B, H, K, L and M	n). [[1] DEC 23 1998
Submit a URAM Status Report (complete Sections A, B, C, E, J, K, L and M).	
Submit a URAM Completion Statement (complete Sections A, B, C, D, E, I, 3	- TOTOTA
You must attach all supporting documentation required for e any Legal Notices and Notices to Public Officia	· · · · · · · · · · · · · · · · · · ·
C. SITE CONDITIONS:	
Check here if the source of the Release or Threat of Release is known.	
If yes, check all sources that apply: UST Pipe/Hose/Line	AST Drums Transformer Boat
Tanker Truck Vehicle Other Specify:	
Identify Media and Receptors Affected: (check all that Air Grout	ndwater 🗌 Surface Water 🔲 Sediments √ Soil
Wetlands Storm Drain Surface Private W	ell Public Water Supply Zone 2 Residence
Schoo Unknown Other Specify:	
Identify Release and/or Threat of Release Conditions at Site: (check all that app	ly)
2 and 72 Hour Reporting Condition(s) 120 Day Reporting C	Condition(s) Other Condition(s)
Describe	1 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -
RAMs may be conducted concurrently with an IRA URAMs may not be conducted if any 2 or 72 Hou	
Identify Oils and Hazardous Materials Released: (check all that	— Laurentea
Others Specify:	Solvante
D. DESCRIPTION OF RESPONSE ACTIONS: (check all that apply)	
Assessment and/or Monitoring Only	Deployment of Absorbant of Containment Materials
Excavation of Contaminated Soils	Temporary Covers or Caps
Re-use, Recycling or Treatment	Bioremediation
On Site Off Site Est. Vol.:cubic ys	ards Soil Vapor Extraction
Describe:	Structure Venting System
Store On Site Off Site Est. Vol.:cubic ya	ards Product of NAPL
SECTION D IS CONTINUED ON	RATIONIO
Lance Control of the	



Massachusetts Papartment of Environmental Protection Bureau of Waste Le Cleanup

Pursuant to 310 CMR 40.0444 - 0446 and 310 CMR 40.0462 - 0465 (Subpart D)

BWSC-106

RELEASE & UTILITY-RELATED ABATEMENT MEASURE (RAM & URAM) TRANSMITTAL FORM

Release Tracking	
-	1

D. DESCRIPTION OF RESPONSE ACTIONS (continued):	
Landfill Cover Disposal Est. Vol.: cubic yards	Groundwater i reatment Systems
Removal of Drums, Tanks or Containers	Air Sparging
Describe:	Temporary Water Supplies
Removal of Other Contaminated Media	Temporary Evacuation or Relocation of Residents
Specify Type and	Fencing and Sign Posting
Other Response Actions Describe	
See 310 CMR 40.0442 for limitations on the scope See 310 CMR 40.0464 for performance stands	e and type of RAMs. ards for URAMs.
Check here if this RAM or URAM involves the use of Innovative Technologies. DEP is	interested in using this information to aid in creating
an Innovative Technologies Clearinghouse. Describe	
E. TRANSPORT OF REMEDIATION WASTE: (If Remediation Waste has been se	nt to an off-site facility, answer the following
Name of	
Town and State:	12
Quantity of Remediation Waste Transported to	INFC 2 3 1998
F. RAM PLAN:	
Check here if this RAM Plan received previous oral approval from DEP as a continuat	ion of a Limited Removal Action (LRA).
Date of Oral	
If a RAM Compliance Fee is required, check here to certify that the fee has been subrepayment. See 310 CMR 40.0444(2) to learn when a fee is not required.	nitted. You MUST attach a photocopy of the
Check here if the RAM Plan is proposed for a Transition Site. If this is the case, you reprior to undertaking the RAM, if not previously provided. See 310 CMR 40.0600 for fu	nay need to attach an LSP Evaluation Opinion urther information about Transition Sites.
G. RAM COMPLETION STATEMENT:	
If a RAM Compliance Fee is required in connection with submission of the RAM Computer submitted. You MUST attach a photocopy of the payment. You owe this fee when subapproval of a RAM that continued an LRA, and have NOT previously submitted a RAM.	omitting a RAM Completion Statement If you received oral MPIan and accompanying fee.
If any Remediation Waste will be stored, treated, managed, recycled or reused at t Statement, you must submit a Phase IV Remedy Implementation Plan, along with the RAM Completion Statement.	he site following submission of the RAM Completion e appropriate transmittal form, as an attachment to the
H. URAM NOTIFICATION:	
addition types (entering and apply)	tility Easement Private Property
Identify Utility Type: (check all that Sanitary/Combined Sewerage	Water Drainag Natural Gas
☐ Telephone ☐ Steam Lines ☐ Telecommunications ☐ Electric ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	Oral Specify:
Check here if the property owner was NOT contacted prior to initiation of the URAM. why the owner was not contacted, including the date and time when contact ultimately Check here if this URAM will occur in connection with the construction of new public and extent of encountered contamination, the scope and expense of necessary mitigal alternatives.	y occurred. utilities. If this is the case, document the nature ation and the benefits amd limitations of project
With the exception stated below, the person undertaking the URAM must provide the nam connection with the URAM:	e and license number of an LSP engaged or employed in
LSP Name: LSP I	license Number:
LSP information is not required if the URAM is limited to the excavation and/or handli contaminated by Oil, or not more than 20 cubic yards of soil contaminated either by a	ng of not more than 100 cubic yards of soil Hazardous Material or a mixture of a Hazardous



Massachusetts Repartment of Environmental Protection Bureau of Waste Cleanup

BWSC-106

	HELEASE & UTILITY-RELATED		311	Release Tracking
DEP	MEASURE (RAM & URAM) TRAI			-
LUDAM COMPLET	Pursuant to 310 CMR 40.0444 - 0446 and 31	U CMH 40.0462 - 04	פס (Subpart ט)	
	URAM was limited to the excavation and/or handlir			
more than 20 cut	olc yards of soil contaminated by either a Hazardous	Material or a mixture o	l a Hazardous Material and	ı OII.
	Waste will be stored, treated, managed, recycle st submit either a Release Abatement Measure (i appropriate transmittal form, as an attac	RAM) Plan or a Phase	IV Remedy Implementati	
J. LSP OPINION:				
documents accompan	s and penalties of perjury that I have personally exa ying this submittal. In my professional opinion and j ible provisions of 309 CMR 4.02(2) and (3), and (iii)	udgment based upon a	pplication of (i) the standar	rd of care in 309 CMR
submittal (i) has (have and reasonable to acc	orm Indicates that a Release Abatement Measure () been developed in accordance with the applicable omplish the purposes of such response action(s) as the the identified provisions of all orders, permits, and the identified provisions of all orders.	provisions of M.G.L. c. set forth in the applical	21E and 310 CMR 40.000 ble provisions of M.G.L. c.	00, (ii) is (are) appropriate
being submitted, the reprovisions of M.G.L. c	orm Indicates that a Release Abatement Measure asponse action(s) that is (are) the subject of this subject and 310 CMR 40.0000, (ii) is (are) appropriate provisions of M.G.L. c. 21E and 310 CMR 40.0000 at this submittal;	mittal (i) is (are) being l and reasonable to acc	mplemented in accordance omplish the purposes of su	e with the applicable uch response action(s) as set
Completion Stateme implemented in accord accomplish the purpos	orm indicates that a Release Abatement Measure nt is being submitted, the response action(s) that is dance with the applicable provisions of M.G.L. c. 211 ses of such response action(s) as set forth in the application of all orders, permits, and approximately approximately action of all orders, permits, and approximately actions.	(are) the subject of this E and 310 CMR 40.000 Dicable provisions of M	submittal (ĺ) has (have) be 0, (ii) is (are) appropriate a .G.L. c. 21E and 310 CMR	en developed and and reasonable to
	cant penalties may result, including, but not limited to materially incomplete.	o, possible fines and im	prisonment, if I submit info	rmation which I know to
	Response Action(s) on which this opinion is based, if the box is checked, you MUST attach a statement	identifying the applicat	ole provisions thereof.	s) and/or approval(s) issued
LSP Name: Willi	m_R_SwansonLSP#: 6406_	Stamp:	WITH OF ALL	
Telephone: _617-25	52-8458 Ext. D	B L L W B	WILLIAM SWANSON	
FAX: (optional)			SWANSON	
Signature:	the Morning D	EC 2.3 1998 3 5	No. 6406	
Date:12	14/98	EES TUV E-HEGION	8/TE PROFESSION	
	An LSP Opinion is not required for a Utili		Measure Notification	
	ot required for a URAM Completion Statement if s of soil contaminated by Oil, or not more than 2	the URAM is limited to	o the excavation and/or h ontaminated either by Ha	
K. PERSON UND	RTAKING RAM OR URAM:			
Name of	Town of Grafton			
Name of Fr	ed G. Haffty	Title: Supe	rintendent	
Street: 9 Depot	Street			
City/Town: _South	Grafton	State: <u>MA</u>	ZIP Code: <u>015</u>	60-0000
Telephone: 508-8	39-8526 Ext.:	FAX:	508-839-8523	
Check here if the	ere has been a change in person undertaking the RA	M or URAM.		

D E P

Massachusetts Expartment of Environmental Protection Bureau of Waste Cleanup

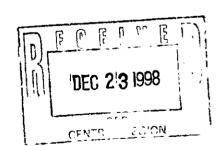
BWSC-106

RELEASE & UTILITY-RELATED ABATEMENT MEASURE (RAM & URAM) TRANSMITTAL FORM

Release Tracking

Pursuant to 310 CMR 40.0444 - 0446 and 310 CMP	1 40.0462 - 0465 (Subpart D)
L. RELATIONSHIP TO SITE OF PERSON UNDERTAKING RAM or UI	RAM: (check one)
RP or PRP Specify: • Owner Operator Generator T	ransporter Other RP or PRP:
Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by	M.G.L. c. 21E, s. 2)
Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5	II))
Any Other Person Undertaking RAM or URAM Specify	
M. CERTIFICATION OF PERSON UNDERTAKING RAM OR URAM:	
familiar with the information contained in this submittal, including any and all documentary of those individuals immediately responsible for obtaining the information, my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorize responsible for this submittal. If the person or entity on whose behalf this submittal including, but not limited to, possible fines and imprisonment, for willfully submitting. By: (signature) For: Town of Grafton (print name of person or entity recorded in Section K)	the material information contained in this submittal is, to the best of more the material information contained in this submittal is, to the best of more that the sattestation on behalf of the entity legally is made am/is aware that there are significant penalties, and false, inaccurate, or incomplete information.
Enter address of person providing certification, if different from address recorded	in Section
Street:	-
City/Town:	State: ZIP Code:
Telephone: Ext.:	FAX: (optional)
YOU MUST COMPLETE ALL RELEVANT SECTIONS OF THIS	FORM OR DEP MAY RETURN THE DOCUMENT AS

YOU MUST COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.



Worcester St., Grafton, Massachusetts Utility-related Abatement Measure Status Report

- Gasoline contaminated soil was excavated on September 13, 1998 and November 13,
 1998, for the new sewer main on Worcester Street opposite #165 Worcester Street and for the service connection to #165 Worcester Street, respectively.
- Per agreement with the owner of #165 Worcester Street and his LSP, EcoTec, Inc., 172 Lincoln Street, Worcester, Massachusetts, the excavated gasoline contaminated soil will be disposed as part of the response action (RTN 2-12437) currently being undertaken at #165 Worcester Street, relative to the removal of underground storage tanks. Approximately 40 cubic yards of soil from the two excavations is currently being stored in the rear of the property at #165 Worcester Street along with soil from the tank removals. It is anticipated all of the soil will be removed from the property by the end of December 1998 and disposed of at Bardon Trimount. The completed bill of lading will be included in the URAM Completion Statement.
- Three confirmatory soil samples were collected from the service connection excavation at the property line of #165 Worcester Street. The samples are being analyzed for VPH. Results will be available in late December 1998 and included in the URAM Completion Statement.



Camp Dresser & AlcKee Inc.

consulting engineering construction operations Ten Cambridge Center Cambridge, Massachusetts 02142 Tel: 617 252-8000 Fax: 617 621-2565 SCANNED 2-12 393

September 14, 1998

Mr. Paul Spano
DEP Central Region
Bureau of Waste Site Cleanup
627 Main Street
Worcester, Massachusetts 01608

Subject: Town of Grafton Worcester Street

URAM Notification

Dear Mr. Spano

On Behalf of the Town of Grafton, Massachusetts, enclosed is a Utility-related Abatement Measure (URAM) Notification for the gasoline contamination on Worcester Street, Grafton, Massachusetts. As you indicated during our telephone conversation on September 9, 1998, we have not prepared a Release Notification Form. Please note that the VPH and EPH results for the soil sample collected from the excavation will be available on September 15, 1998.

If you have any questions, please contact me at (617) 628-7938.

Very truly yours,

CAMP DRESSER & McKEE INC.

James H. Winkler, P.E.

cc: F. Haffty, Town of Grafton

A. Bonilla, CDM

M. Retzky

APPROVED BY:

William R. Swanson, P.E., LSP



consulting engineering construction operations Ten Cambridge Center Cambridge, Massachusetts 02142 Tel: 617 252-8000 Fax: 617 621-2565

December 4, 1998

Mr. Paul Spano
DEP Central Region
Bureau of Waste Site Cleanup
627 Main Street
Worcester, Massachusetts 01608

Subject: Town of Grafton .

Worcester Street URAM Status Report

Dear Mr. Spano

On behalf of the Town of Grafton, Massachusetts, enclosed is a Utility-related Abatement Measure (URAM) Status Report for the gasoline contamination in the roadway opposite #165 Worcester Street, Grafton, Massachusetts. The URAM Completion Statement will be submitted in January 1999.

If you have any questions, please contact me at (617) 628-7938.

Very truly yours,

CAMP DRESSER & McKEE INC.

James H. Winkler, P.E.

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William R. Swanson, P.E., LSP

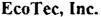
Vice President

APPROVED BY:

cc: F. Haffty, Town of Grafton A. Bonilla, CDM M. Retzky, CDM

named/winkler/spano.wpd

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Environmental Consulting Services 172 Lincoln Street Worcester, MA 01605

Phone: 508-792-2225 Fax: 508-792-2226

MEMORANDUM

Date: 10/1/98

To: Bill Phillips

OCT - 2 1998

From: Arthur Allen & Paul McManus, L.S.P.

Re: 165 Worcester St., Grafton

Via Fax: 792 7621

page 1 of 1

This is the site we spoke about earlier today. It is a former gasoline station, currently being used for auto repairs. We were on-site today, soon after five U.S.T.'s were excavated. There were two, 1,000 g. gasoline tanks; one, 2,000 g. gasoline tank; one 1,000 g. #2 fuel oil tank and one, 500 g. waste oil tank. These are the only known UST's on the site.

When we arrived on the site, the thrcc gasoline UST's were out of the ground, empty and loaded on trucks. The 2,000 g. and one of the 1,000 g. tanks were badly corroded and perforated. One of the 1,000 g. tanks appeared to be sound. We sampled (PID headspace) underncath where the gasoline UST's had been, at approximately 10 feet below surface (groundwater interface). The PID results were 280 ppm. These results indicate a 72 hour reporting condition. The site owner informed us that he has previously reported associated with a URAM which took place in Worcester Street adjacent to the site. We will have them report again and follow up with form BWSC 103.

The waste oil tank and the #2 fuel oil tank are partially underneath the building and cannot be removed without risk of building collapse. The fire chief has approved the cleaning and filling in place of these tanks with concrete shurry. Before we arrived, the fuel oil tank had been pumped dry and there was a limited amount of staining in the surrounding soils with PID headspace readings of 22 ppm. While we were on site, a crew was removing sludge from the waste oil tank.

There is no Imminent Hazard that we are aware of. There is only a slight sheen on the groundwater and no drinking water wells that we are aware of (neighborhood serviced by municipal water). Due to the fact that the excavation contractor has heavy equipment on site and that there is no free product on the groundwater we would like to excavate and stockpile the contaminated soil. We request verbal IRA approval to excavate up to 300 cubic yards of soil.

Please advise.

5/21c/grawor02.doc

RTN 2-12393

Ехнівп_С

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

CERTIFICATE OF ANALYSIS

Client: Murphy & Associates

Laboratory Job Number: L9604473

Address: 214 Worcester Street

Invoice Number: 84702

Grafton, MA 01519

Date Received: 01-JUL-96

Attn: Bob Murphy

Date Reported: 10-JUL-96

Project Number:

Delivery Method: Client

Site:

ALPHA SAMPLE NUMBER CLIENT IDENTIFICATION SAMPLE LOCATION
L9604473-01 #1
L9604473-02 #2

Authorized by:

Scott McLean - Laboratory Director

ALPHA ANALYTICAL LABORATORIES CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 MB:MA086 RI:65

Laboratory Sample Number: L9604473-01

#1

Sample Matrix:

LIQUID

Date Collected: 29-JUN-96

Date Received : 01-JUL-96
Date Reported : 10-JUL-96

Condition of Sample:

Satisfactory

Field Prep:

None

Number & Type of Containers: 1 Glass

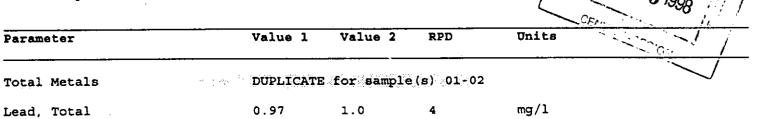
PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	
Total Metals	·		•	1	3005/3050		
Lead, Total	0.97	mg/l	0.05	1	6010	02-Jul 09-Jul	GF
Polynuclear Aromatics by GC/MS	731 (5 d) (1		gradia di di	- 2 1	8270 .	03-Jul 03-Jul	IG
Acenaphthene	ND	ug/l	2.9				
2-Chloronaphthalene	ND	ug/l	3.0				
Fluoranthene	ND	ug/l	2.9				
Naphthalene	ND	ug/l	2.2				
Benzo(a) anthracene	ND	ug/l	3.1				
Benzo(a)pyrene	ND	ug/1	3.8				
Benzo(b) fluoranthene	ND	ug/l	3.5				
Benzo(k) fluoranthene	ND	ug/l	3.5				
Chrysene	ND	ug/l	3.1				
Acenaphthylene	ND	ug/l	2.6				
Anthracene	ND	ug/l	2.5				
Benzo(ghi)perylene	ND	ug/l	5.0				
Fluorene	ND	ug/l	2.7				
Phenanthrene	ND	ug/l	2.6				
Dibenzo(a,h)anthracene	ND	ug/l	4.9				
Indeno(1,2,3-cd)pyrene	ND	ug/l	4.7				
Pyrene	ND	ug/l	2.8				
1-Methylnaphthalene	ND	ug/l	7.0				
2-Methylnaphthalene	ND	ug/l	1.8				
SURROGATE RECOVERY							
Nitrobenzene-d5	73.0	*					
2-Fluorobiphenyl	74.0	¥					
4-Terphenyl-d14	92.0	*					

Comments: Complete list of References and Glossary of Terms found in Addendum I

07109612:47 Page 2

ALPHA ANALYTICAL LABORATORIES QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L9604473



ALPHA ANALYTICAL LABORATORIES QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L9604473

Parameter % Recovery

Total Metals SPIKE for sample(s) 01-02

Lead, Total

ALPHA ANALYTICAL LABORATORIES ADDENDUM I

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. 1986.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.

METHOD Method number by which analysis was performed.

ID Initials of the analyst.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

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ALPHA	Eight Walkup Drive Westborough, MA	ıp Drive h, MA 015	01581-1019	CHAIN	CHAIN OF CUSTODY	TODY	RECORD	No. 648	64840
Analytical Laboratories, Inc.		0 FAX 508	508-898-9193		and ANALYSIS REQUEST RECORD	EQUEST	RECORD	Sheetof _	
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HURDHY + GODOC.	P.O. Number						2	77	6710
Company Address:		Phone Number:	cr :	Project Manager:			Alpha Job Number: (Lab use only)	tate only)	
Graffen, Ma.		FAX No.:		Bob	Murphy		2012	123	
	Container Codes: P = Pledic V = Via C = Oubs G = Ge	urce	Method Preserve.	э́. Э́.	MATRIX MW = Monitoring Well	_	CODES O=Outail	W = Well LF = Landfill W = Drinking Weter	<u> </u>
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Invoice Number 84702

ALPHA ANALYTICAL LABORATORIES, INC. 8 Walkup Drive Westborough, MA 01581 508-898-9220

INVOICE

BILL TO: Bob Murphy Murphy & Associates 214 Worcester Street

Grafton, MA 01519

Account #: MURPHY-G Project #: MURPHY-G REPORT TO:
Bob Murphy
Murphy & Associates
214 Worcester Street

Grafton, MA 01519

Job #: L9604473

PO#:

Qty Matrix	Description		Unit Price	Total Price
2 LIQUID	Polynuclear Aromatic Hydrocarbons	\$ \$ \$	125.00 \$	250.00
2 LIQUID	Total Lead-ICP		12.00 \$	24.00
2 LIQUID	Total Metal Prep		15.00 \$	30.00

pd/10/96 /# 5729 304 (08)

Total Amount Due: \$ 304.00

Page 1

Customer Copy

Town of Grafton, Massachusetts Worcester Street URAM PLAN

Introduction

This Utility-Related Abatement Measure (URAM) Plan describes the remedial actions to be undertaken to address the presence of gasoline in subsurface soil in Worcester Street, Grafton, Massachusetts at #165 Worcester Street during the installation a new sewer main. The location of the site on Worcester Street is shown in Figure 1. This URAM Plan has been prepared in accordance with the Massachusetts Contingency Plan (310 CMR 40.0462).

Background

On September 8, 1998, as a General Contractor (A.F. Amorello & Sons, Inc.), under contract with the Town of Grafton, was installing a new 8-inch sewer main on Worcester Street, the presence of gasoline contaminated soil was identified in the excavation approximately 8 feet below ground surface along the roadway at #165 Worcester Street. The contaminated soil area is shown on Figure 2. Work was immediately stopped and the Town of Grafton Fire Department was called to assess the situation. Upon inspection of the conditions, the Fire Chief, Mr. Raymond Guilmette contacted Mr. Paul Spano of the DEP Central Region to apprise them of the situation. DEP instructed the Town to hire a Licensed Site Professional. Steel plates were placed over the excavation.

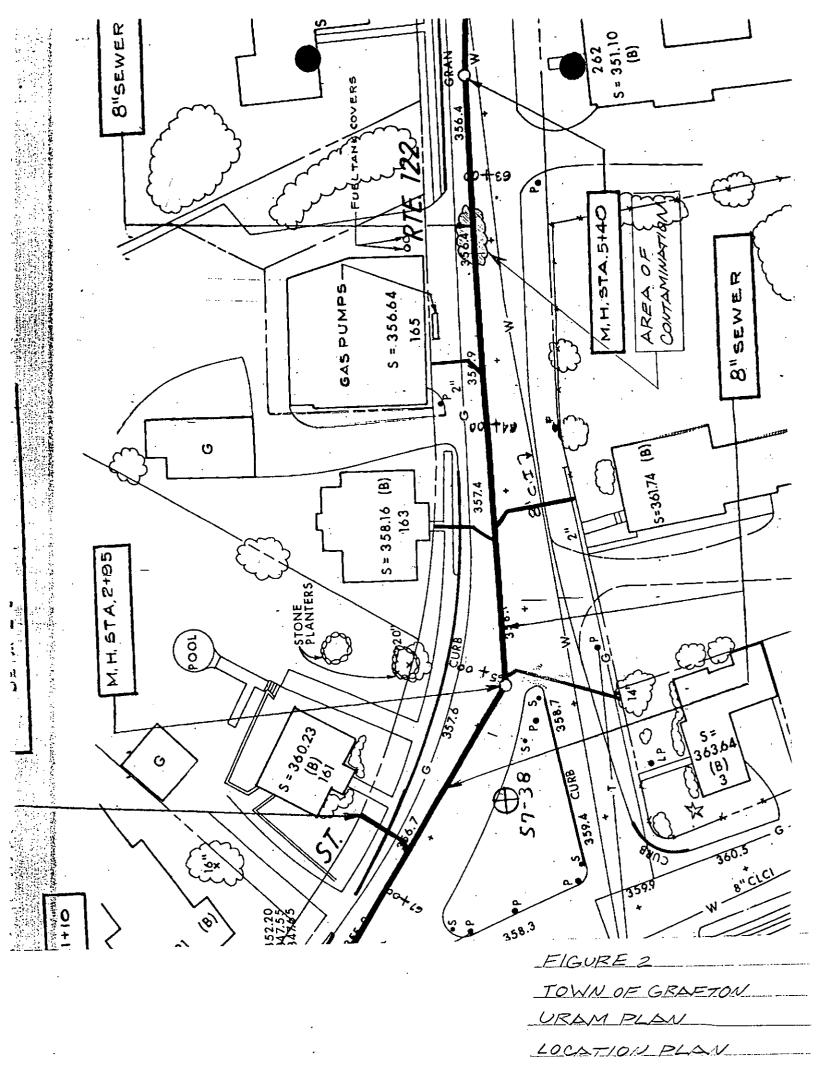
According to the owner of # 165 Worcester Street, there are three abandoned underground storage tanks in the driveway to the property immediately adjacent to the property line. The owner indicated that before he purchased the property, the former owner had operated a service station and that the tanks had been used for gasoline storage.

On September 9, 1998, the steel plates were removed to 1) evaluate if an imminent hazard condition exists and 2) assess the nature and extent of the release with respect to its potential impact on the sewer main installation project.

CDM, using an organic vapor monitor, monitored the air space immediately after the steel plates were removed from above the excavation. No detectable readings were measured by the instrument. In addition, there was no olfactory evidence of gasoline odors emanating from the excavation. On the previous day, the air space had been screened for explosive conditions and no detectable readings were measured with a Lower Explosive Level (LEL) monitoring device. Our evaluation of the conditions indicates that an imminent hazard condition as defined under the MCP, 40.0321 does not exist.



FIGURE 1
TOWN OF GRAFTON
URAM PLAN
LOCATION PLAN



CDM collected three soil samples at two locations for headspace testing and subsequent laboratory analysis if warranted. The first sample was collected in the excavation where work had been terminated at Station MH+195 feet, on the previous day. A sample (GRAF-01) was collected from the sidewall (towards # 165 Worcester Street) of the excavation, approximately 8 feet below ground surface. The headspace reading from the sample was 153 ppm. The sample was submitted to CDM's Laboratory for VPH and EPH analysis. The second sample (GRAF-01A) was collected at the same location, but at approximately 4 feet below ground surface. The headspace reading from the sample indicated no detectable level. The third sample (GRAF-02) was collected 13 feet away at Station MH +208 feet. This sample was also collected in the sidewall of the excavation toward # 165 Worcester Street at approximately 8 feet below ground surface. The headspace reading from the sample indicated no detectable level.

Results of the laboratory analysis of Sample GRAF-01 will be available on September 15, 1998.

Work Plan

Given the urban nature of the site, there is no convenient manner in which to relocate the sewer alignment. Therefore, the General Contractor, A.F. Amorello & Sons, Inc. will perform the URAM as described below with assistance from the Town of Grafton Fire Department. The Fire Department will be on site during all activities.

Excavation

Clean overlying soil (above 7.5 feet) will be segregated and stockpiled separately from contaminated soil as excavation proceeds during the installation of new sewer. Overlying soil will be considered "clean" based on the absence of olfactory evidence of contamination. Contaminated soil will be hauled to the town cemetery located less than one mile from the site. Soil will be placed on 20 mil. thick high density polyethylene sheeting and will be covered with 10 mil. nylon reinforced polyethylene sheeting. Any rock removal will be performed using rock drills with fire retardant foam applied over the rock. The Fire Department will provide and apply the foam.

Confirmatory Testing

Confirmatory soil samples will be collected from the sidewalls and bottom of the excavation. Headspace analysis will be performed on these samples in the field utilizing an OVM. Soil samples will be analyzed for EPH and VPH.

Disposal

Contaminated soil will be recycled at Bardon Trimount. Final determination of the off-site facility will be based on the level of contamination and the physical properties of the excavate. Transportation will be performed by a common carrier under a DEP Bill of Lading.

OSHA Compliance

All work performed between Stations MH 195 feet and MH +208 feet will be performed in accordance with OSHA 1926.65. A Certified Industrial Hygienist (CIH) will prepare the Contractor's Site Health and Safety Plan (SHASP). The SHASP will be implemented by a Site Safety and Health Officer provided by the CIH.